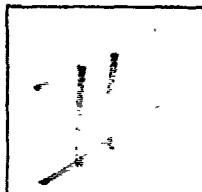


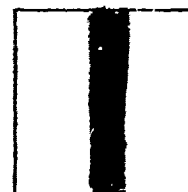
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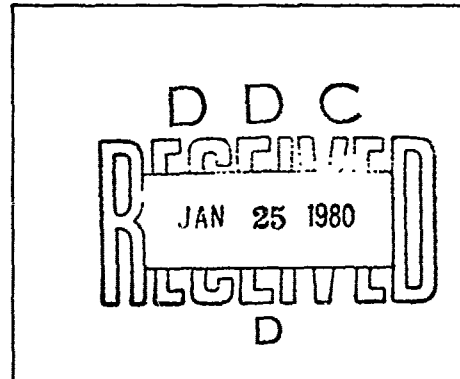
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**USAFETAC**  
**Air Weather Service ( MAC )**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

MARCH AFB/RIVERSIDE CA WMO# 23112  
N 33 54 W 117 15 FLD ELEV 1532 FT RIV WMO # 72266

PARTS A-F

FOR FROM HOURLY OBS: SEP 66 - DEC 70, JAN 73 - AUG 78  
FOR FROM DAILY OBS: SEP 48 - AUG 78

NOV 28 1978

**FEDERAL BUILDING**  
**ASHEVILLE, N. C.**

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 79/113	2 GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- MARCH AFB, RIVERSIDE CALIFORNIA		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
		6 PERFORMING ORG. REPORT NUMBER															
7 AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)															
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10 PROGRAM ELEMENT PROJECT, TASK AREA & WORK UNIT NUMBERS															
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 28 NOV 78															
		13 NUMBER OF PAGES p.															
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report)  UNCLASSIFIED															
		15a. DECLASSIFICATION DOWNGRADING SCHEDULE															
16 DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.																	
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) <p>This report is a six-part statistical summary of surface weather observations for MARCH AFB, RIVERSIDE, CALIFORNIA</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

100

19. Percentqge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* CALIFORNIA

\* MARCH AFB, CA

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station.

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0200-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NUMBER		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEVATION		CALL SIGN		WMO NUMBER	
23119		MARCH AFB/RIVERSIDE CA		N 33 54		W 117 15		1532 ft		RIV		72286	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARO.					
1	March AFB CA	AFB	Sep 48	Feb 53	N 30 54	W 117 15	N/A	1528 ft	24				
2	Same	Same	Mar 53	Apr 55	N 33 54	Same	1537 ft	1529 ft	24				
3	Same	Same	May 55	Mar 56	Same	Same	1536 ft	Same	24				
4	Same	Same	Apr 56	Mar 57	Same	Same	Same	1530 ft	24				
5	Same	Same	Apr 57	Jul 58	Same	Same	1542 ft	Same	24				
6	Same	Same	Aug 58	Mar 65	Same	Same	Same	1511 ft	24				
7	Same	Same	Apr 65	Dec 70	Same	Same	Same	1514 ft	24				
8	Same	Same	Jan 71	Aug 78	Same	Same	1532 ft	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 48	N/A	Anemometer	N/A	N/A	
2	Mar 53	Located on top of tower on operations bldg.	Selsyn	ML-144D	60 ft	
3	May 55	Same	Same	ML-336A	77 ft	
4	Apr 56	Same	Same	ML-144B	Same	
5	Apr 58	Located 750 ft, ESE of runway 31 and N of taxiway 2.	GMQ-11	RC-2	13 ft	
6	Apr 60	Located 1500 ft N of the intersection of runway 31 and runway pad 1.	Same	Same	Same	
7	Apr 63	Located 1650 ft from the approach end of runway 31 and 675 ft NE of Centerline.	GMQ-11	RC-2	13 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	Apr 65	1. Located 1500 ft from end and 500 ft off the centerline of runway 31.	Same	Same	Same	
		2. Located 1500 ft from end and 500 ft off the centerline of runway 13.	Same	Same	Same	
9	Apr 66	1. Located 1950 ft down and 625 ft off centerline of runway 31.	Same	Same	Same	
		2. Located 1500 ft down and 500 ft off centerline of runway 13.	Same	Same	Same	
10	Apr 67	1. Located 1500 ft down and 500 ft off centerline of runway 31.	Same	Same	Same	
		2. Located 1500 ft down and 500 ft off centerline of runway 13.	Same	Same	Same	
11	Jan 71	1. Located 1581 ft down and 500 ft off centerline of runway 31.	Same	Same	Same	
		2. Located 1581 ft down and 500 ft off centerline of runway 13.	Same	Same	Same	
12	Aug 78	1. Same	Same	Same	Same	
		2. Same	Same	Same	Same	

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



3

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USAF ETAC  
13 WEATHER SERVICE/AF

## WEATHER CONDITIONS 7

23110  
STATIONMARIA PA/RIEASIS  
STATION NAME7-73-73  
YEARSJAN  
MONTH

PERCENTAGE FREQUENCY OF WEATHER  
CONDITIONS FROM OBSERVATIONS

MONTH	HOURS OBS.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-07		6.0				6.9	23.2	1.0			21.1	940
	08-14		6.0				6.9	24.2	1.0			22.0	930
	15-21		6.0				6.9	28.7	1.0			31.7	930
	22-28		6.5				6.5	14.1	13.3			22.2	930
	29-31		7.0		.1		7.7	3.5	11.2			14.3	930
	01-07	.1	7.8		.1		7.8	4.1	17.2			19.0	929
	08-14		9.2				9.2	7.0	21.0			24.2	930
	15-21		8.8				8.8	14.5	21.2			27.5	930
	22-28												
	29-31												
TOTALS		.0	8.0		.0		8.0	15.0	16.1			25.4	7439

3

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## WEATHER CONDITIONS

2311- STATION NAME: FARCHER AFB/ALBUQUERQUE YEARS: 7-73-76 MONTH: FEB

PERCENTAGE FREQUENCY OF WEATHER  
 CONDITIONS FROM OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		6.3		.1		8.4	26.1	23.0			35.1	640
	03-05	.1	1.2				8.2	31.7	12.3			39.8	640
	06-08	.1	6.3		.1		8.3	33.2	17.1			39.1	640
	09-11	.1	6.3				8.3	15.1	17.3			27.3	640
	12-14		7.2				7.2	3.1	14.2			16.7	640
	15-17	.1	9.0				9.0	2.1	22.7			24.2	640
	18-20	.1	7.9				7.9	4.0	23.0			29.3	640
	21-23		6.9				6.9	13.0	26.0			39.6	640
TOTALS		.1	8.0		.0		8.0	16.1	20.9			30.3	6767

2311	22. 12. 1971	13-7	22
STATION	STATION NAME	YEARS	MOON IN

THEY ARE THE ONLY TWO IN THE WORLD THAT CAN BE USED IN THE SAME WAY.

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USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

22129  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-73, 73-78  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.1	3.4				3.4	18.9	23.9			32.1	900
	03-05		3.9				3.9	32.0	22.2			41.6	900
	06-08		3.0				3.0	31.2	26.2			43.4	900
	09-11		2.0				2.0	4.1	19.8			21.4	900
	12-14		3.1				3.1		23.8			23.8	900
	15-17		3.4				3.4		25.4			25.4	900
	18-20	.2	3.0		.1		3.0	.7	20.8			20.8	900
	21-23		2.9				2.9	5.2	20.6			21.8	900
TOTALS		.0	3.1		.0		3.1	11.5	22.8			28.8	7200

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
HAY	00-02		1.8				1.8	25.7	41.0			50.8	929
	03-05		4.6				4.6	43.1	39.2			60.0	930
	06-08		4.8				4.8	38.5	42.1			62.9	930
	09-11		2.7				2.7	5.5	45.9		.1	48.3	930
	12-14		.8				.8		51.8		.3	51.8	930
	15-17	.1	1.2				1.2		51.4			51.4	930
	18-20	.1	1.2				1.3	1.1	43.8			43.9	930
	21-23		2.5				2.5	6.7	41.9			43.2	930
TOTALS		.0	2.5				2.5	15.1	44.8		.1	51.5	7439

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAF

# WEATHER CONDITIONS

23116 STATION MARCH AFB CA/RIVERSIDE 7-73, 73-76 YEARS JUN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		1.1				1.1	17.0	55.1			58.7	900
	03-05		3.2				3.2	36.0	47.9			63.1	900
	06-08		2.4				2.4	31.0	52.7			64.9	900
	09-11		1.1				1.1	4.0	49.1			50.7	900
	12-14		.1				.1	.2	59.0			59.0	900
	15-17	.1	.2				.2		56.3			56.3	900
	18-20		.3				.3		47.8			47.8	900
	21-23							1.7	50.7			50.9	900
TOTALS		.0	1.1				1.1	11.2	52.3			56.4	7200

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-7, 73-76  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	.1	.4				.4	5.5	42.0			49.4	930
	03-05	.1	.4				.4	18.7	50.2			57.3	930
	06-08	.1	.6				.6	16.3	58.3			64.9	930
	09-11		.5				.5	.5	45.1			45.2	930
	12-14	.2	.9			.1	.9		57.1			57.1	930
	15-17	.1	.6				.6		47.4			47.4	930
	18-20		.4				.4		29.9			29.9	930
	21-23		.1				.1	.4	32.6			32.7	930
TOTALS		.1	.5			.0	.5	5.2	46.1			48.0	7440

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

## WEATHER CONDITIONS

23119 STATION MARCH AFB CA/RIVERSIDE 7-7, 73-78 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREESING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.1	.2				.2	7.4	42.8		.2	44.9	930
	03-05	.1	.5				.5	20.8	47.5			55.3	930
	06-08	.1	.5				.5	21.4	54.7			52.5	930
	09-11		.4				.4	2.2	44.1			44.5	930
	12-14	.3	1.0				1.0	.3	34.3			54.9	930
	15-17	.8	1.3				1.3	.3	48.1		.3	48.7	928
	18-20	.4	.9				.9	.3	29.8			30.1	927
	21-23		.4				.4	1.1	31.1			31.5	926
TOTALS		.2	.7				.7	6.7	44.1		.1	46.5	7431



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23119  
STATIONMARCH APR CA/RIVERSIDE  
STATION NAME

66-7, 73-77

YEARS

SEP  
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02		1.1				1.1	19.2	50.4			56.0	300
	03-05	.1	1.9				1.9	32.6	44.4			59.3	900
	06-08	.1	4.2				4.3	36.2	41.2		.1	60.7	900
	09-11		1.2				1.2	9.7	40.3		.7	44.4	900
	12-14	.2	.7				.7	1.2	49.6			49.7	900
	15-17	.6	1.1				1.1	.2	53.6			54.0	900
	18-20	.2	1.3				1.3	2.1	42.8			45.7	900
	21-23		1.3				1.3	7.0	43.7			44.8	900
TOTALS		.2	1.6				1.6	13.7	45.8		.1	51.6	7200

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAF

# WEATHER CONDITIONS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

6-7, 73-77  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JCT	00-02	.2	.8				.8	26.0	46.8			54.9	929
	03-05		1.6				1.6	35.9	39.5			56.5	930
	06-08		2.0				2.0	38.8	39.1			57.6	930
	09-11		1.2				1.2	8.4	35.2		.2	39.4	930
	12-14	.3	.9				.9	1.6	35.1		.1	36.0	930
	15-17	1.1	1.1				1.1	.5	47.5		.1	47.6	930
	18-20	.2	.4				.4	1.2	47.4			47.7	930
	21-23	.2	.5				.5	10.6	47.8			49.6	930
TOTALS		.3	1.1				1.1	15.4	42.3		.1	48.7	7439

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/VAC

## WEATHER CONDITIONS

23110  
STATIONMARCH 1973 CA/RIVERSIDE  
STATION NAME6-7, 73-77  
YEARSMAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	00-02		4.2				4.2	21.6	37.3			40.8	900
	03-05		3.2				3.2	27.7	23.7			40.7	900
	06-08		2.8				2.8	29.1	20.7			38.4	900
	09-11		2.6				2.6	8.6	22.0		.2	26.4	900
	12-14		2.9				2.9	1.9	18.6		.1	19.0	900
	15-17		3.0				3.0	1.9	31.0			31.6	900
	18-20		2.3				2.3	2.2	33.8			34.3	900
	21-23		2.7				2.7	11.8	34.4		.1	37.9	899
TOTALS			3.0				3.0	13.1	26.8		.1	33.7	7199

3

DATA PROCESSING TRAINING  
USAF ETAC  
AIR WEATHER SERVICE/AC

## WEATHER CONDITIONS

23114  
STATIONMARCH SPS CA/RIVERSIDE  
STATION NAME66-7, 73-77  
YEARSJUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM 4 HOUR OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S / OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH C.BST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.2	5.4		.4		5.8	22.2	13.9		.1	30.5	930
	03-05	.1	6.1		.3		6.5	24.2	14.9			31.3	930
	06-08		4.5		.1		4.6	24.5	12.8			29.0	930
	09-11		4.5				4.5	11.7	14.5		.3	21.6	930
	12-14	.1	4.5		.1		4.7	1.5	15.2		.6	16.6	930
	15-17	.1	3.7				3.7	1.9	21.7		.1	22.8	928
	18-20		3.9				3.9	4.1	25.0			26.2	927
	21-23		4.9				4.9	13.6	23.4		.1	28.5	927
TOTALS		.1	4.7		.1		4.8	13.1	18.4		.2	25.9	7432

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

23110 STATION MARCH APR CA/RIVERSIDE 65-7, 73-73 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	8.0		.0		8.0	15.0	16.1			25.4	7439
FEB		.1	6.0		.0		6.0	16.1	20.9			30.3	6767
MAR		.1	6.6		.0		6.6	14.7	25.0		.0	32.8	7439
APR		.0	3.1		.0		3.1	11.5	22.8			28.8	7200
MAY		.0	2.5				2.5	15.1	44.8		.1	51.5	7439
JUN		.0	1.1				1.1	11.2	52.3			56.4	7200
JUL		.1	.5			.0	.5	5.2	48.1			48.0	7440
AUG		.2	.7				.7	6.7	44.1		.1	46.5	7431
SEP		.2	1.6				1.6	13.7	45.8		.1	51.6	7200
OCT		.3	1.1				1.1	15.4	42.3		.1	48.7	7439
NOV			3.0				3.0	13.1	26.8		.1	33.7	7199
DEC		.1	4.7		.1		4.8	13.1	18.4		.2	25.9	7432
TOTALS		.1	3.4		.0	.0	3.4	12.6	33.8		.1	46.0	87625

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAW data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

3

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

XX WEATHER CONDITIONS  
 XXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

23113  
 STATION

MARCH AFB CA/RIVERSIDE  
 STATION NAME

7-7  
 YEARS

ALL  
 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DATA FOR OBSERVATIONS

MONTH	HOURS (L.S.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.0	23.7		1.3	.1	23.8	40.0	39.9			52.0	931
FEB		1.3	24.3		.5	.2	24.3	47.5	20.5		.1	51.4	847
MAR		1.8	27.1		.5	.5	27.1	56.3	57.1			68.0	930
APR		1.6	26.1		.1	.5	26.1	50.0	29.3			66.6	900
MAY		.4	18.9			.1	18.9	52.5	70.1			74.1	930
JUN		.8	13.5				13.5	49.7	76.6		.1	80.6	899
JUL		1.9	7.2			.1	7.2	28.9	72.7		.3	73.5	930
AUG		3.8	9.7				8.7	30.8	72.5		.5	73.9	930
SEP		2.9	12.6			.2	12.2	39.9	71.7			72.7	906
OCT		2.6	14.5				14.4	48.6	68.6		.1	72.6	930
NOV		.4	17.9		.1		17.3	40.2	50.6		.2	58.2	900
DEC		1.1	20.7		1.0	.3	20.9	35.7	37.6		.3	48.1	930
TOTALS		1.6	17.9		.3	.2	17.9	43.4	60.8		.1	66.8	10956

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	"0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0600LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

DATA PROCESSING FACILITY  
 USAF 21AF  
 AIR WEATHER SERVICE/4AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

23119  
 STATION

MARCH AFB CA/RIVERSIDE  
 STATION NAME

48-70  
 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-5.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	75.8	4.4	1.4	3.4	2.3	4.4	4.2	3.0	1.1	.1				19.8	930	2.09 6.27 .00		
FEB	75.6	7.2	1.7	3.0	2.1	3.5	3.2	2.1	1.7					17.2	847	1.65 8.89 .00		
MAR	72.9	10.2	1.7	3.3	2.4	4.4	2.9	1.5	.6					6.9	930	1.29 5.22 .00		
APR	73.4	13.0	.9	3.0	2.6	2.9	2.9	1.2	.1					13.6	900	.88 4.57 TRACE		
MAY	80.6	13.8	1.2	1.3	.9	1.4	.6	.3	.1					5.6	930	.24 2.07 TRACE		
JUN	86.3	11.7	.7	1.0		.3								2.0	900	.03 .28 TRACE		
JUL	92.0	5.8	.1	1.1	.4	.3	.4		.1					2.2	930	.02 1.46 .00		
AUG	91.1	6.6		.9	.3	.8	.2	.1	.1					2.4	930	.16 2.39 .00		
SEP	87.6	9.3	.4	.4	.9	.4	.2	.3	.3					3.1	900	.30 2.92 .00		
OCT	85.6	8.7	.8	1.6	.9	1.3	.9	.1						5.7	930	.22 1.83 .00		
NOV	82.1	7.2	.6	2.6	.9	1.6	2.9	1.4	.8					10.7	900	1.03 3.55 .00		
DEC	78.8	6.5	1.2	4.4	1.2	2.9	2.9	1.7	.5					14.7	930	1.21 4.42 TRACE		
ANNUAL	81.8	8.7	.9	2.2	1.2	2.0	1.7	1.0	.5	.0				9.5	10957	9.18		

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

23119 MARCH AFB CA/RIVERSIDE

48-78

STATION

STATION NAME

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48									TRACE	.30	.00	.90	
49	.54	.32	.25	TRACE	.14	TRACE	TRACE	.00	TRACE	.01	.73	.03	.73
50	.59	1.06	.27	.35	.08	TRACE	TRACE	.00	TRACE	.01	.73	.01	1.06
51	.28	.31	.53	.37	.05	TRACE	.07	.12	.53	.22	.40	1.41	1.41
52	1.52	.16	1.80	.59	TRACE	TRACE	TRACE	.00	1.14	TRACE	1.26	.99	1.80
53	.28	.25	.34	.50	.02	TRACE	.02	.15	TRACE	.15	.02	.29	.62
54	2.26	1.14	.88	.10	TRACE	TRACE	.17	.07	.00	TRACE	1.20	.28	2.26
55	1.44	.42	.19	.47	.36	.02	TRACE	.03	TRACE	TRACE	.28	.14	1.44
56	2.31	.15	.01	1.00	.10	TRACE	.08	TRACE	.00	.04	.00	.12	2.31
57	.91	.46	.32	.43	.49	.16	TRACE	.00	TRACE	.57	.32	1.37	1.37
58	.61	1.58	.70	.98	.36	TRACE	.00	.47	.08	.20	.28	TRACE	1.58
59	1.00	.72	.00	.24	TRACE	TRACE	.03	TRACE	.51	.03	.33	1.01	1.01
60	.85	.62	.08	.69	.02	TRACE	.02	.00	.07	.20	.30	.01	.85
61	.39	.00	.47	TRACE	TRACE	TRACE	TRACE	.28	TRACE	TRACE	.23	1.03	1.03
62	.83	.65	.29	TRACE	.16	.01	TRACE	TRACE	TRACE	TRACE	.02	.04	.83
63	.16	1.11	.46	.46	TRACE	.01	.00	TRACE	1.88	.30	1.20	TRACE	1.88
64	.66	.43	.44	.36	.22	TRACE	TRACE	TRACE	.06	.09	.77	.45	.77
65	.19	.22	1.08	1.57	TRACE	.03	.07	.20	.06	TRACE	2.10	.83	2.10
66	.69	.65	.22	TRACE	TRACE	TRACE	TRACE	TRACE	.09	.33	.56	1.88	1.88
67	1.21	TRACE	.26	.64	.04	.02	TRACE	.02	.20	.00	1.28	.67	1.28
68	.42	.19	1.03	.28	.27	TRACE	1.04	.08	TRACE	.07	.47	.30	1.04
69	1.67	2.09	.37	.12	.32	.01	.04	.03	.15	TRACE	.62	.02	2.09
70	.40	1.37	.00	.15	TRACE	TRACE	TRACE	.16	.00	.04	.76	.78	1.37
71	.25	.17	.07	.11	.20	.05	TRACE	.00	.00	.43	.06	.79	.79
72	.00	.10	TRACE	.31	.06	.25	TRACE	.03	.08	.08	.79	.40	.79
73	.60	.82	.50	TRACE	TRACE	.01	.00	.03	.01	.03	.61	.02	.82
74	2.96	.16	.71	.27	TRACE	.03	TRACE	TRACE	.15	.20	.03	1.13	2.96
75	.13	.85	.96	.62	TRACE	TRACE	.26	.00	TRACE	.08	.31	.23	.96
76	.00	1.48	.65	.33	.62	.15	.04	.17	2.08	.12	.33	.11	2.08
77	.96	.74	.37	TRACE	1.08	TRACE	TRACE	1.74	TRACE	TRACE	TRACE	.70	1.74
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)



DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXX  
EXTREME VALUES  
XXXXXXXXXXXX  
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

23119 MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

48-78  
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48								TRACE		.83	.00	1.79	
49	2.30	.66	.34	TRACE	.23	TRACE	TRACE	.00	TRACE	.01	.73	1.16	5.43
50	1.50	1.62	.37	.63	.08	TRACE	TRACE	.00	TRACE	.01	1.50	.01	5.72
51	.94	.35	.54	1.26	.06	TRACE	.09	.14	.56	.28	.45	4.42	9.09
52	5.38	.22	4.67	1.27	TRACE	TRACE	TRACE	.00	1.15	TRACE	3.18	2.75	18.62
53	.71	.33	.79	1.45	.03	TRACE	.02	.15	TRACE	.15	.95	.29	4.87
54	4.21	1.45	3.28	.20	TRACE	TRACE	.20	.12	.00	TRACE	1.72	.52	11.70
55	4.37	1.23	.23	.82	.60	.05	TRACE	.03	TRACE	TRACE	.59	.35	8.27
56	3.33	.41	.01	1.76	.10	TRACE	.08	TRACE	.00	.04	.00	.16	5.89
57	4.75	.84	.67	1.12	.96	.18	TRACE	.00	TRACE	1.83	.49	2.30	13.14
58	.89	4.07	3.02	2.44	.36	TRACE	.00	.47	.14	.24	.29	TRACE	11.92
59	1.05	2.22	.00	.27	TRACE	TRACE	.03	TRACE	.51	.03	.38	2.10	6.35
60	2.35	1.78	.22	.94	.02	TRACE	.02	.00	.07	.38	.83	.01	6.62
61	.62	.02	.62	TRACE	TRACE	TRACE	TRACE	.56	TRACE	TRACE	.46	1.21	3.47
62	1.85	2.69	.74	TRACE	.31	.01	TRACE	TRACE	TRACE	TRACE	.02	.05	5.67
63	.17	2.14	1.15	1.19	TRACE	.01	.00	TRACE	2.95	.81	1.54	TRACE	9.90
64	1.26	.84	1.23	.71	.23	TRACE	TRACE	TRACE	.06	.11	1.19	.82	6.45
65	.21	.22	2.55	4.57	TRACE	.04	.10	.20	.06	TRACE	5.55	2.47	15.97
66	.71	1.16	.23	TRACE	TRACE	TRACE	TRACE	TRACE	.09	.39	.96	3.95	7.47
67	1.70	TRACE	.70	1.97	.09	.02	TRACE	.02	.35	.00	3.09	1.37	9.31
68	.59	.23	1.60	.54	.27	TRACE	1.46	.08	TRACE	.12	.47	.70	6.06
69	6.26	8.89	.87	.34	.43	.02	.04	.03	.15	TRACE	1.02	.02	18.07
70	.88	2.25	1.57	.15	TRACE	TRACE	TRACE	.16	.00	.04	1.76	2.17	8.98
71	.40	.24	.09	.28	.41	.07	TRACE	.00	.00	.65	.06	2.86	5.06
72	.00	.10	TRACE	.31	.08	.28	TRACE	.03	.08	.27	1.56	.67	3.38
73	1.51	2.75	1.35	TRACE	TRACE	.01	.00	.03	.01	.03	1.41	.03	7.13
74	6.27	.16	2.03	.47	TRACE	.03	TRACE	TRACE	.15	.26	.04	1.73	11.14
75	.25	1.26	2.58	1.37	TRACE	TRACE	.26	.00	TRACE	.08	.33	.35	6.48
76	.00	4.18	1.18	1.26	.84	.15	.06	.17	2.64	.17	.41	.16	11.22
77	1.96	.84	.71	TRACE	2.07	TRACE	TRACE	2.39	TRACE	TRACE	TRACE	1.91	9.88
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

XXXXXXXXXXXXXXXXXXXX  
 EXTREME VALUES  
 XXXXXXXXXXXXXXXXXXXX  
 MONTHLY PRECIPITATION

-FROM DAILY OBSERVATIONS-

48-78

TOTAL MONTHLY PRECIPITATION IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING BRANCH  
USAF AFAC  
AIR - LATER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

2011 MARCH APR 20/REVISION 7-7  
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	98.9	.6	.1	.2		.1								.4	930	.2	4.9	.0
FEB	99.6	.4													847	TRACE	TRACE	.0
MAR	99.4	.5		.1										.1	930	TRACE	.6	.0
APR	99.9	.1													900	TRACE	TRACE	.0
MAY	100.0														930	.0	.0	.0
JUN	100.0														900	.0	.0	.0
JUL	100.0														930	.0	.0	.0
AUG	100.0														930	.0	.0	.0
SEP	100.0														900	.0	.0	.0
OCT	100.0														930	.0	.0	.0
NOV	99.9	.1													900	TRACE	TRACE	.0
DEC	99.1	.6	.1	.1										.2	930	TRACE	1.1	.0
ANNUAL	99.7	.2	.0	.0		.0								.1	10957	.2		

3

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

### EXTREME VALUES SNOWFALL

FROM DAILY OBSERVATIONS

24119 MARCH AFB CA/RIVERSIDE

48-78

STATION

STATION NAME

YEARS

## 24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48										.0	.0	.0	.0	
49		3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
50		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51		.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52		.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53		.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55		TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56		.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57		.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
58		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62		TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67		.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.8	.8
68		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
71		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73		.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
76		.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN														
S.D.														
TOTAL OBS.														

NOTE - (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)



3

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOWFALL

FROM DAILY OBSERVATIONS

23119 MARCH AFB CA/RIVERSIDE

48-73

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
72	.0	.0	.0	.0	.0	.0	.0	.0					
MEAN	.11	TRACE	.02	TRACE	.00	.00	.00	.00	.00	.00	TRACE	.03	.16
S.D.	.549	.000	.110	.000	.000	.000	.000	.000	.000	.000	.000	.146	.577
TOTAL OBS.	930	847	930	900	930	900	930	930	900	930	900	930	10957

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-885 (OLA)

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/4AC

XXXXXXXXXXXX  
**EXTREME VALUES**  
XXXXXXXXXXXX  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

23113 MARCH APR CA/RIVERSIDE  
STATION STATION NAME

48-79  
YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48									.0	.0	.0	.0	
49	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
76	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

from daily observations

23119 MARCH 1963 CA/R:VERS:DE  
STATION STATION NAME

44-73

454

## TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-38-5 (OLA)

3  
1

Station Name  
State

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

Station  
Station Name

Years

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.4	.2	.3	.1										.4	930			
FEB	100.0														847			
MAR	99.9	.1													930			
APR	100.0														900			
MAY	100.0														930			
JUN	100.0														900			
JUL	100.0														930			
AUG	100.0														930			
SEP	100.0														900			
OCT	100.0														930			
NOV	100.0														900			
DEC	99.9	.1												.1	930			
ANNUAL	99.9	.0	.0	.0										.0	10957			

3

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

23115 MARCH APR CA/RIVERSIDE

43-12

STATION

STATION NAME

YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48									0	0	0	0	
49	2	0	0	0	0	0	0	0	0	0	0	0	
50	0	0	0	0	0	0	0	0	0	0	0	0	
51	0	0	0	0	0	0	0	0	0	0	0	0	
52	0	0	0	0	0	0	0	0	0	0	0	0	
53	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
54	0	0	0	0	0	0	0	0	0	0	0	0	
55	0	0	0	0	0	0	0	0	0	0	0	0	
56	0	0	0	0	0	0	0	0	0	0	0	0	
57	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
58	0	0	0	0	0	0	0	0	0	0	0	0	
59	0	0	0	0	0	0	0	0	0	0	0	0	
60	0	0	0	0	0	0	0	0	0	0	0	0	
61	0	0	0	0	0	0	0	0	0	0	0	0	
62	0	0	0	0	0	0	0	0	0	0	0	0	
63	0	0	0	0	0	0	0	0	0	0	0	0	
64	0	0	0	0	0	0	0	0	0	0	0	0	
65	0	0	0	0	0	0	0	0	0	0	0	0	
66	0	0	0	0	0	0	0	0	0	0	0	0	
67	0	0	0	0	0	0	0	0	0	0	0	1	1
68	0	0	0	0	0	0	0	0	0	0	0	0	
69	0	0	0	0	0	0	0	0	0	0	0	0	
70	0	0	0	0	0	0	0	0	0	0	0	0	
71	0	0	0	0	0	0	0	0	0	0	0	0	
72	0	0	0	0	0	0	0	0	0	0	0	0	
73	0	0	0	0	0	0	0	0	0	0	0	0	
74	0	0	0	0	0	0	0	0	0	0	0	0	
75	0	0	0	0	0	0	0	0	0	0	0	0	
76	0	0	0	0	0	0	0	0	0	0	0	0	
77	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OEA)

## EXTREME VALUES

SNOW DEPTH

2024 CASE - OPERATIONS

23112 - MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

43-73

78, 85

## DAILY SNOW FRT. IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degree starting in July 1969. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES SURFACE WINDS

FROM DAILY OBSERVATIONS

23119 MARCH AFB, CA/RIVERSIDE  
STATION STATION NAME

48-78  
YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48									NW *24L	*21NE	*24		
49	NNE 46NW	29SSW 30NW	28N 27N	39NW 23NW	28NW 23NNW	32N 27NW	43	NNE 46					
50	NNW 33NE	35WNW 35SW	32WNW 25NW	23SSW 30NW	23E 27SSW	21E 37NNE	*31	E 37					
51	W 36E	27NW 30WNW	35NW 22N	25NW 21SSE	29WNW 22N	29ENE 28SW	22	N 32					
52	NE 26NW	30SW 31SE	23NW 30WNW	23SSW 36W	22NNE 26E	21SE 28ESF	28	SSW 36					
53	NNW 26NNE	40WSW 33WSW	25N 30WNW	29W 23WNW	23NW 19NW	23NNW 27NNE	49	NNE 49					
54	SSE 28WSW	28SSE 35W	23WNW 20NW	19SSE 27WNW	16WNW 14N	24S *28NNE	39	NNE 39					
55	W *26N	38NNW 34N	35SSE 29WSW	26NW 25NW	25ESE 33ESE	31NNE 30WNW	21	N 36					
56	S 24NNE	39NNE 41W	33SW 27NW	25WSW 23WNW	21W 20SSE	22N 35NNW	32	NNE 41					
57	SSW 24SW	21NNE 32NNE	38SW 25N	27NW 24SW	24ENE 25ESE	24ENE 34ENE	29	NNE 36					
58	NNW 36W	30SSW 26S	31WNW 22NW	2SSE 26N	*21SSE 29WNW	26W 40NE	25	W 40					
59	SE 21WNW	27NE 26NNW	31S 27NW	27WNW 29SSW	24WNW 28N	35E 36NNW	39	NNW 39					
60	N 31NNW	34ENE 26NNW	29WNW 23NW	21NE 43NW	24SE 39N	36NNW 26N	30	NE 43					
61	E 25N	28W 29N	24W 26N	25N 22S	35NW *23ESE	*28NNE	*39ENE	*25	NNE	*39			
62	E 42S	23SSW 27NNW	23NW 27NW	22NW 21NW	*23ENE 28NNW	*19NNW 32ENE	*26	E 42					
63	E 28N	31NNW*30WSW	*33NW *24NW	*24NW 24WNW	26WNW*28NW	*20SE 25ENE	30	WSW*33					
64	NNW 37N	39N *35WNW	*25W 34NW	*31NNW 26ESE	30ENE 37E	31NNW 31NNE	32	N 39					
65	N 29NNW	34NNW 29SW	26W 23W	21WNW 21E	26SSW 21NW	37ENE 26SSE	33	NW 37					
66	N 31N	40WSW*30E	*24NNW 22NW	24NW 23WNW	25NE 36NW	*29ENE 29NNE	33	N 40					
67	E 32N	28SW 25WNW	27NNW 27NW	23WNW 20NW	24ENE 32NE	30W 20NE	*30	E 32					
68	NNE 27E	22N 36N	26NW 26SE	3016/ 2856/	2234/ 2735/	2534/ 3035*	36	N 36					
69	26/ 33	5/ 2635/	3334/ 2931/	2031/ 2030/	2130/ 22 5/	2235/ 2810/	34 1/ 41	1/ 41					
70	33/ 3233/	3330/ 3529/	30 7/ 3114/	2417/ 2314/	36 7/ 27 5/	3110/ 3313/	29 14/ 36						
71	34/ 3334/	3035/ 3433*	2833/ 2733/	2431/ 2729/	2630/ 2733/	3835/ 35 1/ 42	1/ 42						
72	6/ 42	8/ 2924/	2432/ 3332/	3216/ 2714/	2931/ 2134/	2436/ 4134/	2736/ 36 6/ 42						
73	36/ 37	9/ 4436/	3336/ 4032/	2432/ 2232*	2314/ 24 7/	29 4/ 3034/	2933/ 28 9/ 44						
74	36/ 3036/	3229/ 2031/	2528/ 2130/	2031/ 2030/	2434/ 2626/	29 5/ 24 2/ 35	2/ 35						
75	35/ 3335/	45 2/ 4827/	2534/ 3332/	2035/ 2531/	22 9/ 2635/	30 7/ 2635/	33 2/ 48						
76	8/ 3011*	3331/ 2827/	3521/ 2225/	2626/ 2232/	21 6/ 31 2/	3336/ 33 8/ 32	37/ 35						
77	8/ 3034/	3035/ 4336/	2819/ 2435/	2032/ 2411/	3435/ 2033/	1732/ 25 8/ 40	35/ 43						
MEAN													
S.D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



3

(FROM DAILY OBSERVATIONS)

48-78

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (CLA)

\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 MAR, H AFB CA/RIVERSIDE 7-70, 73-78 JAN  
STATION STATION NAME YEAR MONTH  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	.4	.4	.4							5.2	7.0
NNE	.8	.6	.6	.5	.1							2.7	7.4
NE	.3	.5	.6	.6								2.2	8.4
ENE	.5	.5	.1	.3	.1							1.6	6.5
E	1.0	.2	.3	.3	.2							2.0	6.7
ESE	.9	1.0	.4		.1							2.4	5.0
SE	1.2	1.0	.9									3.7	5.2
SSE	.9	1.3	1.2	.3								3.7	6.4
S	1.2	.8	.5	.1								2.6	4.7
SSW	1.1	.1										1.2	2.5
SW	.9	.2										1.1	2.5
WSW	.8	.3										1.1	3.1
W	1.6	1.1										2.7	3.1
WNW	1.4	.5	.2									2.2	3.5
NW	2.0	1.3	.1									3.4	3.3
NNW	1.7	1.1	1.1									3.9	4.5
VARBL													
CALM												58.6	
	18.0	13.0	6.6	2.7	1.0	.2						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23116  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

77-70, 73-78  
YEARS

JAFI  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	.5	.2	.4	.2						3.9	8.2
NNE	1.1	.5	1.2									2.8	4.9
NE	1.1	.8	.6	.5	.1							3.1	6.7
ENE	.5	.5	.9	.3								2.3	6.3
E	.9	.6	.2	.4								2.2	6.0
ESE	.8	.9	.4									2.0	4.6
SE	1.5	1.0	.6	.3								3.4	4.8
SSE	1.0	1.8	.6	.1								3.6	5.1
S	1.2	1.2	.2	.1								2.7	4.3
SSW	.9	.1										1.0	2.7
SW	.6	.2										.9	2.5
WSW	.8	.2		.1								1.1	3.7
W	.9	.8	.3	.1								2.0	4.7
WNW	1.0	.5	.1									1.6	3.3
W	.3	.9	.3	.1								1.6	5.9
NNW	1.3	1.3	.5	.3	.2							3.7	6.1
VARBL													
CALM												62.2	
	14.5	12.8	6.7	2.8	.8	.2						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.8	1.2	.3	.1	.1						3.9	6.7
NNE	.9	1.8	.5	.4								3.7	5.6
NE	1.3	1.0	.8	.3								3.3	5.8
ENE	.3	.8	.5	.4	.1							2.2	7.7
E	1.0	1.4	.2	.2								2.8	4.3
ESE	1.0	.5	.1	.2								1.8	4.7
SE	1.2	1.3	.9									3.3	4.6
SSE	1.0	1.5	.8	.3								3.5	5.6
S	1.6	.8	.2	.4	.1							3.1	5.1
SSW	.8	.3										1.1	2.8
SW	1.0	.1										1.1	2.2
WSW	.6	.1	.1									.9	3.1
W	1.5	.2	.2									1.9	2.7
WNW	1.0	1.0	.1	.1								2.2	4.1
NW	1.1	.6	.2	.2	.1							2.3	5.5
NNW	.8	.9	.4	.3	.2							2.6	6.8
VARBL													
CALM												60.4	
	16.2	13.0	6.2	3.3	.6	.1						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	.9	.5	.3	.1	.1					4.6	8.0
NNE	.8	1.1	.4	.3	.2	.1						2.9	7.1
NE	.5	.9	1.3	.8	.2							3.7	8.4
ENE	.8	.5	1.1	1.2	.1							3.7	8.4
E	1.2	.9	1.9	1.6	.8							6.3	9.4
ESE	2.3	1.8	1.0	.3								5.4	4.9
SE	4.5	3.1	1.7									9.4	4.2
SSE	3.2	3.8	1.2	.4								8.6	4.5
S	4.4	1.7	.9	.4								7.4	4.1
SSW	1.1	.5										1.6	3.1
SW	.6	.2	.1	.3								1.3	5.4
WSW	.2	.1		.1								.4	5.0
W	1.0	.1	.2			.1						1.4	4.5
WNW	.1	.4	.4									1.0	6.1
NW	.8	.9	.4	.1								2.2	5.3
NNW	.1	1.4	1.0		.1	.1						2.7	7.2
VARBL													
CALM												37.5	
	22.9	18.7	12.5	6.1	1.7	.4	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH APR CA/RIVERSIDE  
STATION NAME

67-70, 73-76  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.7	1.4	1.2	.6	.2						7.5	8.6
NNE	2.3	1.3	1.0	.5								5.1	5.4
NE	1.2	1.4	1.3	.9	.1							4.8	7.1
ENE	1.4	1.3	1.6	1.7	.2							6.2	8.0
E	1.9	2.3	2.0	2.0	.6	.2						9.1	8.6
ESE	1.3	1.5	.6	.6	.1							4.2	6.3
SE	1.5	2.4	.9	.6								5.4	5.6
SSE	3.0	1.7	1.3	.5	.2							6.8	5.3
S	1.8	1.5	1.2	.5								5.1	5.3
SSW	.9	1.2	.3									2.4	4.5
SW	1.3	.1	.1	.2								1.7	3.7
WSW	.3	.8	.2	.3								1.6	6.9
W	.6	1.6	.5	.2								3.0	5.5
WNW	1.3	2.9	1.3	.1								5.6	5.2
NW	1.2	3.1	2.3	.2								6.8	5.7
NNW	1.1	2.6	1.4	.9	.2							6.1	5.9
VARBL													
CALM												18.5	
	73.1	27.3	17.4	10.7	2.2	.8						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JAN  
MONTH

ALL HOURS  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.9	1.4	1.2	.3	.2						7.9	7.4
NNE	1.6	2.0	1.1	.5	.2							5.5	6.2
NE	1.4	1.6	2.0	1.0	.1							6.1	7.0
ENE	1.1	1.5	2.4	1.3	.1							6.4	7.5
E	1.2	1.9	3.3	1.5	.5	.1						8.6	8.6
ESE	.5	.3	.3	.1								1.3	5.5
SE	.3	.5	.8	.6								2.3	8.2
SSE	.5	.8	1.2	.2								2.7	6.6
S	.3	1.0	1.0	.6								2.9	7.6
SSW	.4	.2	.4	.2								1.3	6.5
SW	.1	.2	.4									.8	6.1
WSW	.2	.4	.2									.9	5.1
W	.4	1.9	.6	.3	.1							3.4	6.2
WNW	2.3	4.5	3.0	.1								10.7	5.3
NW	1.9	9.8	5.4	.6								17.9	6.0
NNW	1.7	5.1	3.6	1.0								11.3	6.3
VARBL													
CALM												10.9	
	15.9	34.9	27.1	9.5	1.4	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	2.3	1.4	.6	.2							7.6	5.5
NNE	1.9	1.9	1.9	.3	.3							6.5	6.3
NE	.6	1.2	1.9	.6								4.4	7.3
ENE	.2	.8	.8	.9								2.6	8.3
E	1.0	.8	.3	1.1	.4							3.5	8.7
ESE	.4	.6	.4	.4								1.9	5.4
SE	1.0	.8	.3	.4		.1						2.6	6.6
SSE	.8	1.3	.8	.4								3.1	6.0
S	1.7	1.0	.5	.2								3.4	4.6
SSW	.3	.1	.2									.6	5.2
SW	.4											.4	2.3
WSW	1.1	.1		.1								1.3	3.5
W	2.3	1.3	.2	.1								3.9	3.7
WNW	3.8	2.2	1.0	.1								7.0	4.0
NW	4.0	4.3	1.3	.1								9.7	4.4
NNW	2.7	2.8	.5	.3	.1	.1						6.6	5.0
VARBL													
CALM												34.8	
	25.3	21.3	11.5	5.8	1.1	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

7-70, 73-78  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.2	.6	.5	.1	.1						4.4	6.1
NNE	1.0	1.3	1.0	.4	.1							3.7	6.4
NE	.3	1.2	1.0	.8	.1							3.3	7.9
ENE	.5	1.0	1.4	.4								3.3	7.0
E	.8	.9	.6	.6								2.8	7.3
ESE	.4	.5	.3	.3								1.8	7.3
SE	.9	1.6	.5	.3								3.3	5.0
SSE	.9	1.2	.8		.1							2.9	5.3
S	1.5	1.1	.1	.2								2.9	4.0
SSW	.5	.2	.1									.9	3.1
SW	1.1	.3										1.4	2.5
WSW	1.0	.8										1.7	2.9
W	1.8	.3	.1									2.3	2.8
WNW	1.6	1.2	.2									3.0	3.4
NW	2.3	1.4	.5	.1								4.3	4.0
NNW	1.6	1.3	.5	.6								4.1	5.9
VARBL													
CALM												53.9	
	17.8	15.4	8.1	4.3	.4	.1						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

1  
3DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23110  
STATIONMARCH AFB CA/RIVERSIDE  
STATION NAME77-70, 73-78  
YEARSJAN  
MONTHALL WEATHER  
CLASSALL  
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.7	1.0	.6	.3	.2	.0					7.6	7.2
NNE	1.3	1.3	1.0	.4	.1	.2						4.1	6.1
NE	.8	1.1	1.2	.7	.1							3.9	7.3
ENE	.7	.9	1.1	.8	.1							3.5	7.6
E	1.1	1.1	1.1	1.0	.3	.2						4.7	8.1
ESE	.9	.9	.5	.3	.0							2.6	5.5
SE	1.5	1.5	.8	.3		.0						4.2	5.2
SSE	1.4	1.7	1.0	.3	.0							4.4	5.4
S	1.7	1.1	.6	.3	.0							3.8	4.9
SSW	.7	.3	.1	.0								1.3	3.9
SW	.8	.2	.1	.1								1.1	3.5
WSW	.8	.3	.1	.1								1.1	4.2
W	1.3	.9	.3	.1	.0	.0						2.6	4.3
WNW	1.5	1.7	.8	.1								4.1	4.6
NW	1.7	2.8	1.3	.2	.0							6.0	5.2
NNW	1.4	2.0	1.1	.4	.1	.0						5.1	6.0
VARBL													
CALM												42.1	
	19.2	19.6	12.0	5.0	1.1	.3	.0					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

7437

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (L.S.T.)

CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	.5	.6	.2	.1						3.4	7.7
NNE	.6	.6	.8	.1								2.1	6.3
NE	.1	.6	.5	.4								1.5	7.2
ENE	.6	.4		.1	.1							1.2	5.5
E	.7	.7	.4	.2	.2	.1						2.4	7.9
ESE	.4	.5	.1		.1	.1						1.2	7.3
SE	1.2	1.2	.4	.4								3.1	5.3
SSE	2.6	2.4	.2	.7	.2							6.1	5.5
S	1.7	1.8	.5	.5	.1							4.5	5.4
SSW	.4	.1	.1									.6	3.8
SW	.5	.2										.7	2.7
WSW	.2	.5										.7	4.3
W	1.2	.5	.2	.4								2.2	5.2
WNW	.2	.5										1.3	2.8
NW	1.1	1.1	.5									2.8	4.2
NNW	1.2	1.1	.2									2.5	3.7
VATBL													
CALM												63.8	
	14.1	13.0	6.4	3.3	1.1	.4						100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

546

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS, DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	.5	.8	.4	.2						4.3	8.3
NNE	.2	.5	.1	.1								.9	6.1
NE	.4	.6		.6								1.3	8.2
ENE	.5		.5	.1	.1							1.2	7.2
E	.4	.6	.6	.1	.1	.1						1.9	8.4
ESE	.5	.6	.1									1.2	4.2
SE	1.1	1.4	.5	.1								3.1	4.7
SSE	1.7	2.0	.8	.1								4.6	4.7
S	2.4	1.3	.5	1.1	.2	.1						5.6	6.9
SSW	1.3	.1										1.4	2.5
SW	.8	.2										1.1	2.6
WSW	.6	.1										.7	3.0
W	.7	.4	.4									1.4	3.9
WNW	1.5	.4	.1		.1							2.1	3.1
NW	1.1	1.1	.2									2.4	3.7
NNW	1.5	.7	.2	.4	.1							3.0	5.1
VARBL													
CALM												64.2	
	15.0	11.0	4.3	3.4	1.1	.5						100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

846

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0605-0800  
HOURS (LST)

COORDINATE

SPEED KNTS D.A.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.6	1.3	.7							4.6	3.4
NNE	.5	.9	.6	.2								2.6	7.2
NE	.5	.6	.9	.5	.1							2.6	7.5
ENE	.9	.1	.2	.1		.1						.9	7.8
E	1.1	.7	.1	.2	.5							2.6	7.5
ESE	.9	.5	.1	.1								1.7	4.0
SE	1.3	.5	.7									2.5	4.5
SSE	2.0	2.0	.5	.2	.1							4.2	4.7
S	2.1	1.6	.5	1.1								5.4	5.6
SSW	.7	.2	.1	.1								1.2	4.3
SW	.8	.1										.9	2.1
WSW	.9	.4	.1									1.1	3.6
W	.3	.2	.1									1.2	3.4
WNW	.3	.4	.1									1.3	3.5
NW	1.2	.9	.2									2.4	3.8
NNW	.7	.7	.5	.5	.1	.1						2.5	7.8
VARSL													
CALA												61.8	
	15.4	11.1	5.6	4.3	1.5	.4						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

846

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

FE6  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	.7	.2	1.3							5.2	9.7
NNE	1.1	.9	.5	.2	.1							2.8	5.8
NE	.1	.6	.7	.7								2.1	8.7
ENE	.5	.5	1.3	.4	.1							2.7	7.8
E	1.9	.7	1.5	.9	.4	.1						5.6	7.7
ESE	3.1	1.7	.5	.4	.5							6.0	5.3
SE	.8	3.3	1.4	.2								7.8	4.7
SSE	4.6	4.6	2.0	.7								11.9	4.8
S	5.4	3.2	.9	.8								10.5	4.4
SSW	.7	.9		.1								1.8	4.1
SW	1.3	.2	.1									1.7	3.1
WSW	.5			.1								.6	3.2
W	.1	.1	.1	.1								.5	6.8
WNW	.6	.6		.1								1.3	4.3
NW	.7	.9	.6									2.2	4.3
NNW	.7	.7	.5	.7	.2	.4	.1					3.3	10.5
VARBL													
CALM												33.9	
	25.1	20.4	10.9	6.5	2.6	.5	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

846

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.0	.7	1.4	.9	.1						8.4	8.0
NNE	.9	.9	.7	.1								2.7	5.3
NE	.8	.4	.8	.4	.1							2.5	7.0
ENE	.7	.4	.7	.8	.1							2.7	8.6
E	1.2	1.9	2.5	2.6	.6	.4						9.1	9.6
ESE	1.2	1.3	.8	.6	.2							4.1	6.7
SE	1.1	1.9	1.5	.2								4.7	5.7
SSE	1.1	1.4	1.4	1.1	.1							5.1	7.3
S	2.1	2.1	2.5	1.1	.1							8.2	6.8
SSW	.8	.9	.6	.4								2.7	5.9
SW	.1	.1	.6									.8	7.9
WSW	.1	.2	.4	.2								.9	8.3
W	2.1	1.5	.6									4.3	4.0
WNW	1.3	2.6	2.6	.6								7.1	6.6
NW	1.7	4.8	3.8	.5								10.8	6.4
NNW	1.2	2.7	1.7	1.7	.7	.2	.1					8.3	9.0
VARBL													
CALM												17.6	
	18.7	26.2	21.9	11.8	3.0	.7	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

845

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110 STATION MARCH AFB CA/RIVERSIDE STATION NAME 57-70, 73-78 YEARS FEB MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.3	1.9	.8	.1						6.4	9.7
NNE	.4	.5	.7	.4	.2							1.7	9.2
NE	.0	.9	.6	.5								2.8	6.7
ENE	.6	1.5	.7	.7	.1							3.7	7.4
E	.6	1.4	3.7	1.5	.4	.4	.1					8.0	9.7
ESE	.2	.4	.1	.1								.8	5.9
SE	1.2	.7	.8	.1								2.8	5.0
SSE	.5	.7	1.3	.0								3.1	7.3
S	1.2	1.1	2.4	1.7								6.3	7.8
SSW	.4	.9	.7	.1								2.1	6.2
SW	.6	.7	.2	.1								1.7	5.2
WSW	.4	.6	.2	.1								1.3	6.0
W	.0	1.9	1.5	.5								4.5	6.5
WNW	.9	4.5	6.3	.6								12.3	7.0
NW	1.7	8.9	10.6	2.2	.1							23.5	7.1
NNW	2.0	4.3	3.5	1.7	.7	.2						12.4	7.9
VARBL													
CALM												6.6	
	12.8	30.1	34.5	12.8	2.4	.7	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/VAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119 STATION MARCH APR CA/RIVERSIDE 7-70, 73-78 YEARS FEB NORTH  
ALL WINDS CLASS 1800-2000 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.4	1.3	1.3	.1							7.1	6.5
NNE	.3	1.2	.2	.4								2.6	5.5
NE	.9	.9	.2	.1								2.2	4.5
ENE	.5	1.5	.4	.0								3.0	6.8
E	.5	.9	1.2	.7	.1							3.4	7.9
ESE	.4	1.1	.4	.1		.1						2.0	6.6
SE	.8	1.5	.6	.2	.1							3.3	5.9
SSE	.6	2.0	1.4	.4								4.4	6.3
S	1.4	1.2	.6	.8								4.0	6.5
SSW	.8	.5	.2									1.5	3.8
SW	.5	.2	.1									.9	3.4
WSW	.5	.1	.1									.7	4.2
W	1.5	2.1	.8	.2								4.7	4.9
WNW	2.6	5.0	2.2	.1								9.9	5.0
NW	4.3	5.2	2.0	.4								11.8	4.6
NNW	3.0	4.9	1.7	.5	.1	.1						10.2	5.3
VARBL													
CALM												23.0	
	21.2	30.8	13.5	5.8	.5	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23113  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-78, 73-78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.7	.6	.1	.1						4.7	5.9
NNE	.8	1.3	.7									2.8	4.9
NE	.6	1.1	.8	.1								2.6	5.5
ENE	.4	.9	.1	.1								1.5	5.6
E	.2	.4	.2	.2								1.1	7.2
ESE	.7	.2	.4									1.3	4.5
SE	1.5	2.7	1.2	.1								5.6	5.0
SSE	.9	3.2	.8	.4								5.3	5.6
S	1.7	1.5	.7	1.2	.1							5.2	6.7
SSW	.5	.5	.1									1.1	4.1
SW	.7	.5	.1									1.3	3.8
WSW	.5	.5										.9	3.1
W	1.2	.5	.2									2.5	2.9
WNW	1.9	.7										2.6	2.5
NW	1.8	1.4	.4									3.5	3.6
NNW	2.1	1.8	.4		.1							4.4	4.3
VARBL													
CALM												53.5	
	18.2	18.2	6.9	2.7	.4	.1						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	.8	1.1	.6	.1						5.5	8.1
NNE	.7	.9	.5	.2	.0	.1						2.3	6.1
NE	.5	.7	.6	.4	.0							2.2	6.8
ENE	.5	.7	.5	.4	.1	.1						2.1	7.2
E	.8	.9	1.3	.8	.3	.1	.0					4.3	9.7
ESE	.9	.8	.3	.2	.1	.1						2.3	5.7
SE	1.4	1.7	.9	.2	.0							4.1	5.1
SSE	1.7	2.3	1.0	.5	.1							5.6	5.6
S	2.2	1.8	1.1	1.0	.1	.1						6.2	6.1
SSW	.7	.5	.2	.1								1.6	4.6
SW	.7	.3	.1	.0								1.1	3.8
WSW	.4	.3	.1	.1								.9	4.6
W	1.1	.9	.5	.1								2.7	4.8
WNW	1.3	1.6	1.4	.2	.0							4.7	5.6
NW	1.7	3.0	2.3	.4	.0							7.4	5.8
NNW	1.0	2.1	1.1	.7	.3	.1	.0					5.8	6.9
VARBL													
CALM												41.2	
	17.6	20.1	12.7	6.3	1.6	.4	.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 6767

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

MAC  
NORTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.5	.1								2.3	4.8
NNE	.5	.3	.0	.3								1.8	6.5
NE	.1	.4	.1	.1								.8	6.3
ENE	.1											.1	1.0
E	.2	.1	.1									.4	3.8
ESE	.9	.4	.4									1.7	4.3
SE	2.2	2.0	.4	.4								5.1	4.8
SSE	2.7	2.8	1.0	.2	.1							6.8	4.7
S	2.5	1.0	.6	.3								4.4	4.4
SSW	.5	.3										1.0	2.9
SW	.9	.5	.1									1.5	3.3
WSW	.9	.1	.1									1.1	3.2
W	1.4	.3	.1									1.8	3.0
WNW	.4	.3	.2	.1								1.1	5.0
NW	1.2	1.3	.3	.1								2.9	4.6
NNW	1.4	.8	.1		.1							2.4	3.9
VARBL													
CALM												64.9	
	16.3	11.5	4.8	1.7	.2							102.0	1.6

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

MAR  
MONTH

ALL WINDS  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.6	.3	.1							3.0	4.7
NNE	.2		.5	.2								1.2	8.5
NE	.2	.1		.1								.8	4.1
ENE	.2	.5	.2	.2								1.2	6.2
E	1.0	.4										1.4	2.9
ESE	.2	.8										1.1	3.9
SE	2.2	1.0	1.1	.3								4.5	4.9
SSE	2.0	2.4	.3	.6		.1						6.0	5.9
S	3.0	1.1	.3	.1								4.5	3.4
SSW	.6	.3										1.0	3.0
SW	.1	.4										.5	4.4
WSW	.2											.3	2.0
W	.9	1.2	.2									2.3	4.4
WNW	1.1	.1	.1									1.3	2.9
NW	1.3	.9										2.2	3.5
NNW	1.3	.1	.2	.1	.1							1.8	4.5
VARBL													
CALM												67.0	
	15.9	10.1	4.3	2.4	.2	.1						100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH APR CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0600  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.6	.4	1.1	.1							3.0	9.2
NNE	.4	.6	.8	.1								1.9	6.6
NE	.4	.4	.3	.1								1.3	5.0
ENE	.4		.2	.2								.9	6.4
E	.5	.4										1.0	3.3
ESE	1.0	.1	.3									1.4	3.8
SE	2.6	2.6	1.9	.1	.1							7.3	4.2
SSE	3.5	3.7	2.0	.1								9.4	4.4
S	2.0	2.2	.8	.3								5.3	4.4
SSW	.6	.3	.1									1.1	3.2
SW	.9											.9	2.4
WSW													
W	.2	.4										.6	3.5
WNW	.4	.3	.1	.1								1.0	5.1
NW	.9	.1	.2			.1						1.3	5.3
NNW	.0	.8	.2	.3	.2							2.2	7.6
VARBL													
CALM												01.6	
	15.3	12.6	7.4	2.4	.4	.1						100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAF

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

MAR  
MONTH

ALL REF. TIME  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.8	1.0	.3	.1	.1					5.3	8.7
NNE	1.1	.8	.1	.1								2.0	4.3
NE	.9	.5	.0	.2								2.3	5.4
ENE	.4	.2	.4	.5	.1							1.8	8.8
E	2.0	.6	.6	.0	.1							4.6	5.5
ESE	2.3	2.0	.8	.3								5.4	4.0
SE	4.1	4.1	1.2	.3								9.7	4.3
SSE	3.5	4.6	2.2	.9	.4							11.8	5.7
S	3.8	3.7	2.5	.8								10.6	5.4
SSW	.9	.2	.3	.1								1.5	4.4
SW	.2											.2	2.0
WSW	.3	.6	.1	.1								1.2	5.3
W	.9	1.0	.9	.3								3.0	6.1
WNW	.9	.8	.6	.3								2.6	6.1
NW	1.7	1.6	.9	.4			.1					4.7	5.9
NNW	.9	1.4	.5	.6	.5	.2						4.2	8.6
VARBL													
CALM												29.0	
	25.9	23.5	12.5	6.8	1.5	.5	.2					100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/LSAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED KNOTS, DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.7	1.3	1.2	.5	.2						6.9	8.4
NNE	2.2	.5	.4									2.9	2.9
NE	.5	1.1	.4	.1								2.3	5.4
ENE	.3	.3	.5			.1						1.3	7.4
E	1.2	1.1	.6	1.3								4.2	7.6
ESE	1.1	1.0	.6	.3								3.0	5.3
SE	1.5	1.2	.6									3.8	4.4
SSE	1.0	1.2	2.0	1.0								5.2	7.4
S	.6	1.2	2.4	1.2	.1	.1						3.6	8.6
SSW	.3	.5	.5	.3								1.9	6.4
SW	.5	.3	.2	.2								1.3	6.2
WSW	.5	.5	.4	.2								1.8	5.9
W	.6	1.8	2.7	1.6	.2							7.1	8.4
WNW	1.5	4.0	6.1	1.7	.1							13.4	7.3
NW	1.7	6.7	6.8	1.1		.2						16.5	6.9
NNW	1.3	3.8	3.4	1.2	1.0	.2						10.9	8.3
VARBL													
CALM												12.0	
	16.8	27.8	29.1	11.4	1.9	.5						160.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930



3

DATA PROCESSING BRANCH  
AFAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23113      MARCH AFB CA/RIVERSIDE      71-70,73-78      448  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L & T)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-32	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.1	.5	1.7	.6							4.3	11.1
NNE	.3	.3	.2									1.1	5.2
NE	.4	.3	.3	.1								1.2	5.3
ENE	.2	.4	.4	.6								1.7	8.4
E	.3	1.0	.6	.2	.1							2.3	6.9
ESE	.2	.3	.2	.4								1.2	7.6
SE	.5	.5	.3									1.4	6.7
SSE	.1	.5	.4	.3								1.4	7.6
S	.3	1.0	3.0	1.1								5.6	8.2
SSW	.5	.5	1.3	.5								2.9	7.4
SW	.2	.4	.4	.2								1.3	7.3
WSW	.3	.5	.4	.3								1.6	6.8
W	.5	2.6	3.2	1.9	.4							8.7	8.7
WNW	1.3	4.1	8.7	2.7								16.8	8.0
NW	1.2	9.0	16.8	3.8	.2	.1						31.1	7.9
NNW	1.5	4.1	3.9	1.5	.6	.1						11.7	7.6
VAABL													
CALM												5.8	
	8.6	27.0	40.9	15.5	2.0	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

MAR  
MONTH

ALL REF. TIME  
CLASS

1800-2000  
HOURS (LST)

CON. OFFICE

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	.9	.3	.1							4.0	6.0
NNE	.9	1.0	.4	.1								1.9	6.0
NE	.6	.2	.3									1.2	4.4
ENE	.3	.3	.2									.9	4.8
E	.8	.5	.2	.3								2.0	6.4
ESE	.3	.3	.1									.8	4.6
SE	1.1	2.2	.6	.2								4.1	5.2
SSE	.9	2.4	1.5									4.7	5.7
S	1.7	2.0	1.1	.3								5.2	5.3
SSW	1.2	.9	.5									2.4	6.5
SW	.1	.5	.1									.8	5.0
WSW	.5	.1	.1	.1								.9	4.5
W	2.3	1.6	1.2									5.1	4.6
WNW	4.3	7.3	2.5	.5								14.6	4.9
NW	4.7	12.3	6.5	.4								23.9	5.5
NNW	3.2	4.3	1.4	.4		.1						9.5	5.8
VARB													
CALM												18.3	
	23.2	37.6	17.6	3.0	.1	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

3

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2311-  
STATION

WACON AFB CA/RIVERSIDE  
STATION NAME

67-70, 75-78  
YEARS

MAP  
MONTHS

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONVERT

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.1	.3	.2	.2							4.0	6.6
NNE	.9	.4										1.3	3.0
NE	1.1	.6	.1	.3								2.2	5.0
ENE	.4	.2		.1								.8	4.7
E	1.0	.2	.2	.1								1.5	3.9
ESE	.9	1.0	.4	.1								2.6	4.5
SE	2.0	2.0	1.0	.4								5.5	5.2
SSE	2.6	4.2	1.7	.1								8.6	6.8
S	3.7	2.5	.5	.3								7.0	4.2
SSW	.9	.6										1.5	3.1
SW	.5	.2										1.0	2.4
WSW	1.0	.3										1.3	2.8
W	1.7	.6	.1									2.5	3.1
WNW	2.2	.8	.6		.1							3.7	4.1
NW	2.5	2.5	.1									5.1	3.6
NNW	1.4	2.3										3.7	3.7
VARIABLE													
CALM												48.3	
	24.4	19.6	5.2	2.3	.3							102.0	2.2

TOTAL NUMBER OF OBSERVATIONS

620

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119 STATION MARCH AFB CA/RIVERSIDE 51-70, 73-78 YEARS MAR MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	.7	.8	.3	.1	.0					4.1	8.0
NNE	.8	.5	.4	.1								1.8	5.2
NE	.6	.5	.3	.1								1.5	5.1
ENE	.3	.3	.3	.2	.0	.0						1.1	7.1
E	.9	.6	.3	.1	.0							2.2	5.8
ESE	.9	.7	.4	.1								2.1	4.8
SE	2.1	1.9	.9	.4	.0							5.2	4.8
SSE	2.0	2.7	1.5	.4	.1	.0						6.7	5.5
S	2.2	1.8	1.4	.6	.0	.0						6.0	5.5
SSW	.7	.5	.3	.1								1.7	4.9
SW	.5	.3	.1	.1								.9	4.5
WSW	.5	.3	.1	.1								1.0	4.8
W	1.1	1.2	1.0	.5	.1							3.9	6.2
WNW	1.5	2.2	2.4	.7	.0							6.8	6.4
NW	1.9	4.3	3.9	.7	.0	.1	.0					10.9	6.4
NNW	1.5	2.2	1.2	.5	.3	.1						5.8	6.7
VARBL													
CALM												38.4	
	18.4	1.2	15.2	5.7	.8	.3	.0					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23110  
STATION

MAC 1 APR CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	.1	.2								1.9	4.4
NNE	.1		.1									.2	5.5
NE	.2	.1	.2									.6	5.4
ENE		.3										.3	4.7
E	.4											.4	1.8
ESE	1.4	.4										1.9	2.9
SE	1.8	1.3	.3									3.4	3.6
SSE	2.9	2.3	.8									6.0	3.9
S	2.6	2.1	.4									5.1	3.9
SSW	.9	.3										1.2	2.7
SW	.9	.3										1.2	2.6
WSW	.1	.1										.2	3.5
W	1.2	.3	.2									1.8	3.6
WNW	1.1	.8	.6	.2								2.7	5.3
NW	2.4	1.7	.1									4.2	3.4
NNW	1.6	1.0	.2	.2								3.0	4.3
VARBL													
CALM												65.8	
	13.6	11.9	3.1	.7								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110 STATION MARCH AFB CA/RIVERSIDE 67-70, 73-78 YEARS APR MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.7	.3	.1								1.9	4.6
NNE	.6	.1	.3									1.0	4.2
NE	.4	.3	.2	.1								1.1	5.4
ENE	.4	.1	.2									.8	4.0
E	.6	.2		.3								1.1	5.5
ESE	.6	.1										.7	2.5
SE	1.8	1.3										3.1	2.9
SSE	2.6	3.2	.1									5.9	3.8
S	2.0	2.2	.3	.1								4.7	4.0
SSW	.0	.2	.1									.9	3.3
SW	.4	.2										.7	3.7
WSW	.1	.1										.2	2.5
W	.6	.7	.3	.1								1.9	4.8
WNW	.8	.3	.1	.1								1.3	3.9
NW	2.0	1.2	.2									3.4	3.3
NNW	1.6	.8	.2	.1								2.7	3.8
VARBL													
CALM												68.7	
	15.9	11.9	2.6	1.0								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4		.2	.1	.1						1.8	6.1
NNE	.4	.2	.1	.2								1.0	5.6
NE	.3	.2	.1									.7	3.8
ENE	.1	.6	.2	.1								1.0	6.7
E	1.9	.2		.3								2.4	3.5
ESE	1.7	.3										2.0	2.7
SE	4.0	3.2	.4	.1								7.8	3.7
SSE	3.8	4.4	.9									9.1	4.0
S	4.9	2.3	.4									7.7	3.2
SSW	1.2	.6										1.8	2.9
SW	.3	.3										.7	2.7
WSW	.4	.1										.6	2.8
W	1.1	.6	.2									1.9	3.6
WNW	.8	1.1	.2									2.1	4.4
NW	1.1	1.2	.2									2.6	4.1
NNW	.6	1.0	.3									1.9	4.5
VARBL													
CALM												55.1	
	23.6	16.9	3.2	1.0	.1	.1						100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNOTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.4	1.0	.3	.3	.1						6.2	6.0
NNE	2.2	.4										2.7	2.5
NE	1.1	1.2	.4	.2								3.0	4.7
ENE	.8	.3	.4	.3								1.9	6.1
E	2.2	.8	.6	.4								4.0	4.7
ESE	3.3	1.6	.4									5.9	3.5
SE	2.8	3.9	.7									7.3	4.1
SSE	2.2	2.7	1.9	.4								7.2	5.3
S	2.8	3.6	1.1	.3								7.8	4.7
SSW	1.3	1.3	.2	.1								3.0	4.1
SW	.9	.7										1.6	3.2
WSW	.7	.7	.4									1.8	4.9
W	1.4	1.8	1.0	.6	.1							4.9	6.0
WNW	1.6	2.8	1.1	.4								5.9	5.5
NW	1.4	4.3	2.6	.4		.1						8.9	6.2
NNW	1.7	2.0	1.2	1.0	.1							6.0	6.4
VARBL													
CALM												22.0	
	29.0	30.4	13.1	4.7	.6	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.3	2.0	.7								9.0	5.9
NNE	1.7	1.0	.9		.2							3.8	5.4
NE	.4	.7	.2	.1								1.4	5.3
ENE	.2	1.1	.2									1.6	5.5
E	.2	1.1	.1	.2								2.0	5.4
ESE	1.0	.6	.7	.1								2.3	4.9
SE	.6	.8	.6	.1								2.0	5.9
SSE	.6	1.2	.4	.7	.1							3.0	7.0
S	1.1	1.8	1.4	1.3	.2							5.9	7.5
SSW	.6	.7	.4	.7								2.3	7.2
SW	.2	.7	.4	.1								1.4	5.8
WSW	.3	1.1	.4		.1							2.0	5.8
W	1.8	2.8	3.1	.7	.4							8.8	7.2
WNW	1.0	5.2	7.3	1.2								14.8	7.4
NW	1.2	6.9	11.1	2.3	.1							21.7	7.6
NNW	1.3	3.7	4.6	1.6	.3							11.4	7.6
VARBL													
CALM												6.6	
	14.6	33.6	34.0	9.8	1.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.6	.6		.1						3.6	7.8
NNE	.7	.1	.2		.1	.1						1.2	6.8
NE	.1	.7										.8	4.4
ENE	.0	.2										.8	3.1
E	.1	.4	.3	.1								1.0	5.1
ESE	.2	.3										.3	3.6
SE		.4	.3	.1								.9	7.6
SSE		.6	.6	.1								1.2	7.5
S	.2	.2	1.4	1.0								2.9	9.9
SSW	.2	.1	1.1	.9	.1							2.4	16.3
SW		.1	.3	.1								.6	8.8
WSW	.1		.6	.3	.1							1.1	10.6
W	.4	1.3	3.2	2.1	.1							7.2	9.2
WNW	.4	3.7	12.7	6.4	.1							23.3	9.2
NW	.9	5.2	32.9	7.9	.2							37.1	9.0
NNW	.7	2.3	7.1	3.1	.1							13.3	9.1
VARBL													
CALM												2.0	
	5.3	16.4	52.3	22.8	.9	.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

900

3

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110 STATION NAME MARCH AFB CA/RIVERSIDE 1-70, 73-78 YEARS APR MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	.7	.6								4.1	4.8
NNE	.7	.8	.3									1.6	4.6
NE	.3	.4										.8	3.3
ENE	.3	.2	.1									.7	4.2
E	.1	.2	.2									.6	5.4
ESE	.4	.4	.1									1.0	4.1
SE	.3	1.0	.6	.1								2.0	5.7
SSE	1.0	1.1	.5	.1								2.8	4.7
S	1.1	1.7	1.0	.2								4.0	5.5
SSW	.4	.6	.1	.2								1.3	5.6
SW	.1	.2	.2									.6	4.2
WSW	.2	.6	.4									1.2	5.8
W	1.2	1.9	1.3	.1	.1							4.7	5.8
WNW	2.1	5.1	5.6	1.6								14.6	4.7
NW	4.3	14.6	14.1	.9								33.9	6.2
NNW	2.2	5.7	3.7	.1	.1							11.8	5.6
VARBL													
CALM												14.3	
	16.1	36.6	29.2	3.6	.2							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 500

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	.1									3.0	4.1
NNE	.6	.3										.9	3.0
NE	.2	.1	.1									.6	3.8
ENE	.1											.1	2.0
E	.4	.3	.1									1.2	3.0
ESE	1.2	.6	.2									2.0	3.6
SE	2.4	1.9	1.0									5.3	4.4
SSE	2.2	3.4	1.2									6.9	4.6
S	2.4	3.6	.3									6.3	4.0
SSW	1.0	.6	.1									1.7	3.3
SW	1.7											1.7	2.3
WSW	.2	.3										.6	3.2
W	2.9	1.2	.1	.1								3.4	3.6
WNW	2.6	1.1	.3									4.0	3.5
NW	3.0	3.2	.2									6.4	3.6
NNW	2.2	2.9	.4									5.6	4.0
VARBL													
CALM												50.3	
	23.7	21.6	4.3	.1								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.7	.3	.1	.0						3.9	5.7
NNE	.9	.4	.6	.0	.0	.0						1.6	4.6
NE	.4	.5	.4	.1								1.1	4.7
ENE	.3	.4	.2	.1								.9	5.2
E	.5	.4	.2	.2								1.6	4.5
ESE	1.3	.5	.2	.0								2.0	3.6
SE	1.7	1.7	.5	.1								4.0	4.2
SSE	1.9	2.4	.8	.2	.0							5.3	4.7
S	2.1	2.2	.8	.4	.0							5.5	4.9
SSW	.8	.5	.3	.2	.0							1.8	5.4
SW	.6	.3	.1	.0								1.0	4.0
WSW	.3	.4	.2	.0	.0							1.0	5.7
W	1.2	1.2	1.2	.5	.1							4.3	6.4
WNW	1.3	2.5	3.5	1.2	.0							8.6	7.2
NW	2.1	4.8	6.4	1.4	.0	.1						14.8	7.0
NNW	1.5	2.4	2.2	.8	.1							7.0	6.5
VARBL													
CALM												35.6	
	18.2	22.4	17.7	5.4	.4	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

7200

3

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

17-70, 73-78  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0205  
HOURS (LST)

CONDITION

SPEED (KNTS, DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3										.6	3.2
NNE	.1											.1	2.0
NE	.3											.3	2.3
ENE	.2	.1										.3	3.0
E	.4	.1										.5	3.2
ESE	.3	.1	.1									.5	4.2
SE	1.3	.6	.1									2.0	3.3
SSE	3.3	3.8	1.0									8.1	4.1
S	1.5	2.3	1.1									4.8	4.8
SSW	.2	.2	.1									.5	4.4
SW	.1	.3										.4	4.0
WSW	.1											.1	2.0
W	.9	.1										1.0	2.3
WNW	2.4	.6										3.0	2.4
NW	5.5	3.3	.1									8.9	3.2
NNW	2.8	1.7										4.5	3.3
VARBL													
CALM												4.0	
	19.8	13.7	2.5									100.0	1.3

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70.73-78  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3										1.2	2.8
NNE	.3	.2										.5	2.8
NE	.1											.1	2.0
ENE	.2											.2	2.5
E	.4			.1								.5	4.2
ESE	.3	.3	.1									.9	4.9
SE	.4	.9	.1									1.4	4.2
SSE	2.2	3.9	.1									6.6	4.0
S	2.2	2.3	.5									5.2	4.4
SSW	.1	.2	.1									.4	5.8
SW	.4	.1										.5	2.6
WSW	.2	.1										.3	3.0
W	.9											.9	1.3
WNW	1.5	.4										1.9	2.6
NW	4.1	2.5	.1									6.7	3.2
NNW	2.6	2.2										4.2	3.4
VARBL													
CALM												68.5	
	16.6	13.3	1.5	.1								100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 920

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/PAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70.73-78  
TIME

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0900  
HOURS (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.8										1.5	3.1
NNE	.3	.3	.1									.8	4.0
NE	.0	.1										.9	2.3
ENE	.2			.1								.3	5.3
E	.6	.1	.1		.1							1.1	4.3
ESE	.9	.6										1.5	3.1
SE	4.3	2.4	.1									6.8	3.1
SSE	2.6	4.5	1.1	.1								8.3	4.5
S	4.8	3.8	1.4									10.0	4.2
SSW	.7	.9	.2									1.6	4.1
SW	.5		.2									.8	4.0
WSW	.2											.2	2.0
W	1.0	.1										1.1	2.3
WNW	1.3	.3										1.6	2.5
WW	2.0	1.3										3.3	3.1
WNW	2.0	1.8	.3									4.2	3.8
VARBL													
CALM												56.1	
	23.3	16.6	3.7	.2	.1							100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

930



3

DATA PROCESSING BRANCH  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAR

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23110 STATION MARCH AFB CA/RIVERBICE STATION NAME 7-70, 73-78 TRAFFIC  
 ALL WEATHER CLASS  
 LOCATION  
 MAY  
 0900-1100  
 HOURS (LST)

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	3.3	.6	.2	.1							3.2	4.3
NNE	3.3	1.0	.2									4.5	2.0
NE	1.9	.8	.1									2.8	3.0
ENE	1.1	.2	.1	.1								1.5	3.7
E	2.2	.8	.2	.5	.1							4.1	5.4
ESE	1.1	.5	.3									1.9	4.2
SE	2.6	1.6	.3									4.7	3.6
SSE	2.5	2.2	.9	.3								5.8	4.6
S	2.3	2.3	1.7	.5	.1							6.9	5.9
SSW	1.3	.2	.2	.1	.1							1.9	4.3
SW	1.1	.1	.2	.1	.1							1.6	4.9
WSW	.5		.1									.9	2.5
W	2.3	2.3	.5									5.1	3.8
WNW	1.9	3.8	2.3									3.0	5.2
NW	3.3	5.7	2.6	.2								11.8	4.9
NNW	2.2	4.1	1.2	.2	.1							7.8	5.1
VARIABLE													
CALM												22.5	
	34.0	28.7	11.6	2.6	.6							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 630

DATA PROCESSING BRANCH  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

23119  
 STATION

MARCH AFB CA/RIVERSIDE  
 STATION NAME

7-70, 73-78  
 YE. 88

MAY  
 MONTH

ALL WEATHER  
 CLASS

1200-1400  
 HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME ...D SPEED
N	1.3	2.5	2.5	.3	.8								7.4
NNE	.8	1.3	.4	.1								2.6	5.1
NE	.8	.2	.3									1.3	4.3
NENE	.5	.6	.4									1.6	4.9
E	.4	.8	.6	.4								2.3	6.2
ESE	.3	.5	.2									1.1	5.4
SE	.1	.3	.3									.8	5.9
SSE	.6	.4	.5	.1								1.7	5.4
S	.8	1.5	.9	.4								3.6	6.1
SSW	.2	.3	.4	.3								1.3	8.3
SW	.4	.5	.3	.1								1.6	5.8
WSW	.2	.4	.5									1.6	5.0
W	1.4	4.1	2.4									7.9	5.6
WNW	1.3	6.0	9.8	1.4								1.5	7.4
NW	1.5	8.8	14.4	4.1	.1							19.0	7.7
NNW	1.2	4.1	7.1	1.5	.1							14.3	7.4
VARBL													
CALM												3.7	
	12.6	32.5	41.4	8.8	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23119 STATION MARCH AFB CA/RIVERSIDE 67-70, 73-78 YEARS MAY  
STATION NAME NORTH  
ALL WEATHER CLASS 1500-1700  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.9	.5	.1							2.9	7.8
NNE	.1	.3	.1									.5	4.6
NE	.1	.1										.2	3.5
ENE	.2	.4	.1									.8	4.9
E	.1	.2	.3	.1								.8	7.1
ESE		.1	.2									.3	6.3
SE	.1		.1									.2	6.0
SSE		.1	.1	.1								.3	8.7
S	.1	.4	.4	.5								1.5	8.9
SSW		.2	.3	.1								.9	9.6
SW			.3									.3	8.7
WSW		.1	.1	.1								.3	9.3
W	.2	1.3	1.9	.5								4.0	7.8
WNW	.3	2.4	12.4	5.1								21.2	7.3
NW	.1	4.5	28.0	16.0	.1							48.7	9.7
NNW	.4	1.6	8.4	5.8	.1							16.3	9.7
VARBL													
CALM												.8	
	2.3	12.8	54.7	29.1	.3							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.5	1.1	.1								4.6	5.7
NNE	.3	.6	.1									1.1	4.1
NE	.2	.2										.4	3.3
ENE	.2	.1										.3	2.7
E		.1	.2									.3	6.7
ESE	.1	.4										.5	3.8
SE		.4	.2									.6	6.2
SSE	.2	1.1	.2									1.8	4.1
S	.2	.2	.5	.3								1.3	8.0
SSW	.2	.4	.1									.8	4.3
SW		.1	.1	.1								.3	8.0
WSW	.1											.1	1.0
W	.9	.9	.4	.1								2.3	4.8
WNW	3.1	6.3	7.2	.5								17.2	6.0
NW	5.1	16.7	18.2	2.5								42.4	6.6
NNW	2.7	7.1	5.3	1.2								16.2	6.2
VARBL													
CALM												9.7	
	14.5	37.2	33.7	4.4								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.1									1.8	4.0
NNE	.4	.2										.6	3.5
NE	.2											.2	1.5
ENE	.1	.1	.1									.3	5.0
E	.2	.1	.1									.4	4.8
ESE	.3											.3	2.0
SE	.9	.8	.2									1.8	4.0
SSE	1.8	4.0	.8									6.6	4.3
S	2.2	1.0	.8									4.5	4.0
SSW	.5	.3	.1									1.0	3.6
SW	.9	.1										1.0	2.4
WSW	1.2											1.2	2.3
W	1.5	.6	.1									2.3	2.9
WNW	4.8	2.4	.1									7.3	3.0
NW	6.5	4.9	1.0									12.4	3.7
NNW	3.8	2.2	1.2									7.1	3.9
VARBL													
CALM												51.2	
	25.9	18.4	4.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH 1970 CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

MAY  
MONTH

ALL REF. TIME  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNOTS, DIP)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	.6	.2	.1							3.5	5.5
NNE	.7	.5	.1	.0								1.3	3.7
NE	.6	.2	.1									.8	3.1
ENE	.3	.2	.1	.0								.7	4.2
E	.6	.3	.2	.1	.0							1.3	5.6
ESE	.4	.3	.1									.9	4.2
SE	1.2	.9	.2									2.3	3.7
SSE	1.7	2.5	.6	.1								4.9	4.4
S	1.7	1.8	.9	.2	.0							4.7	5.1
SSW	.4	.3	.2	.1	.0							1.0	5.4
SW	.4	.2	.2	.0	.0							.8	4.8
WSW	.4	.1	.1	.0								.6	3.7
W	1.1	1.2	.7	.1								3.0	4.8
WNW	2.1	2.8	4.1	.9								9.8	6.6
NW	3.5	6.0	8.0	2.9	.0							20.4	7.0
NNW	2.2	3.1	2.9	1.1	.0							9.3	6.4
VARBL													
CALM												34.6	
	18.6	21.6	19.2	5.7	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

7438

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70.73-78  
YEARS

JULY  
MONTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.1										2.8	2.9
NNE	.3											.3	1.7
NE	.1											.1	2.0
ENE													
E	.1											.1	2.0
ESE	.1											.1	2.0
SE	.2	.7	.1									1.0	4.4
SSE	2.0	2.0	.7									4.7	4.2
S	1.4	1.0	.8	.1								3.3	4.4
SSW	.2											.2	1.5
SW	.3											.3	2.0
WSW	.1	.1										.2	3.0
W	.6	.2										.3	3.1
WNW	3.1	1.2										4.3	2.8
NW	6.1	3.1										9.2	3.0
NNW	3.7	3.4										7.1	3.5
VARBL													
CALM												65.3	
	20.1	12.9	1.6	.1								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 600

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23113 STATION MARCH AFB CA/RIVERSIDE 67-76, 73-78 YEARS JUL MONTH  
CLASS ALL W/ THE  
CONDITION

0300-0500  
HOURS (L.S.T.)

SPEED (KNTS, DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.4										1.7	2.9
NNE	.3	.1										.4	2.3
NE	.3	.1										.4	2.8
ENE	.1											.1	2.0
E	.1	.1										.2	3.0
ESE	.4	.1										.6	2.4
SE	.5	1.0	.3									1.9	4.4
SSE	2.4	2.1	1.2									5.8	4.7
S	1.2	1.0	.1									2.3	3.7
SSW	.1											.1	1.0
SW	.2											.2	1.5
WSW	.5											.6	2.0
W	.9	.1										1.0	2.1
WNW	2.9	.7										3.6	2.5
NW	3.3	1.4										4.8	2.8
NNW	2.7	2.0	.1									4.8	3.5
VARBL													
CALM												71.6	
	17.4	9.2	1.8									100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23115  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78  
YEARS

JULY  
MONTH

ALL WEATHER  
CLASS

0500-0900  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.7	.1									2.4	3.0
NNE	.7											.7	1.8
NE	.9											.9	2.0
ENE	.9	.3		.1								1.0	4.2
E	.9											.9	2.1
ESE	1.7	.1										1.8	2.1
SE	2.1	1.9	.2									5.2	3.1
SSE	2.4	2.9	.7	.1								6.1	4.2
S	4.3	1.8	.7	.2								7.0	3.7
SSW	.7	.2	.1									1.0	3.6
SW	.7											.7	2.0
WSW	.1											.1	3.0
W	.6											.6	1.6
WNW	.8	.6	.1									1.4	3.3
NW	2.3	1.6	.1									4.0	3.2
NNW	2.2	1.1										3.3	2.8
V													
CALM												62.9	
	23.6	11.1	2.0	.4								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

JUN  
MONTH

ALL  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	3.7	1.6	.1								8.3	4.6
NNE	1.0	1.0	.1									2.7	3.5
NE	1.9	.3	.1									2.3	2.5
ENE	.9	.4		.1								1.4	3.3
E	2.1	.3	.3	.2	.1							3.1	4.2
ESE	2.1	.6	.2									2.9	3.0
SE	2.3	1.8	.7	.1								4.9	4.2
SSE	2.4	1.8	.4	.3								5.0	4.6
S	2.4	2.2	.4	.1								5.2	4.1
SSW	1.3	.6	.1									2.4	2.8
SW	.9	.3										1.2	2.6
WSW	.7	.2										.9	2.8
W	2.0	2.1	.3									4.4	3.8
WNW	2.0	5.3	2.1	.1								9.6	5.3
NW	2.9	5.9	5.0	.2								13.7	5.6
NNW	1.7	4.6	1.7	.2								9.1	5.0
VARBL													
CALM												22.3	
	31.8	31.1	13.1	1.6	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

23114 STATION MARCH AFB CA/RIVERSIDE 7-70, 73-78 YEARS JUN MONTH 1200-1400 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.7	3.4	.6								9.9	6.4
NNE	.2	.9	.1									1.2	4.6
NE	.2	.7										.9	4.4
ENE	.1	.1										.2	3.5
E		.2	.2									.4	7.8
ESE	.1	.1										.2	4.0
SE	.4	.2	.2	.1								1.0	5.7
SSE	.2	.3	.2	.2								1.0	7.2
S	.3	.8	.2	.2								1.6	5.7
SSW	.4	.1	.1									.7	3.2
SW	.3	.4	.1									.9	4.4
WSW	.3	.1	.2									.7	5.5
W	1.1	3.3	2.0	.2								6.7	5.8
WNW	.7	7.4	13.1	1.3	.1							25.1	7.7
NW	1.1	8.2	16.3	5.7								31.3	8.2
NNW	.7	3.8	9.4	2.2								16.1	8.1
VARBL													
CALM												2.1	
	7.3	31.4	47.8	11.2	.1							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

JULY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	2.2	.0								3.6	8.5
NNE	.1	.1										.2	3.5
NE													
ENE		.1										.1	4.0
E	.1	.2										.3	4.3
ESE		.1										.1	4.0
SE	.1											.1	3.0
SSE			.1	.1								.2	10.0
S	.1		.6	.1								.8	9.1
SSW													
SW													
WSW	.1											.1	2.0
W	.1	.0	1.1									1.8	6.8
WNW		1.9	16.7	7.2	.1							25.9	9.7
NW	.2	3.7	27.0	17.0	.4							49.1	10.1
NNW	.1	1.2	8.6	7.0	.1							17.0	10.2
VARBL													
CALM												.7	
	1.1	6.9	56.2	32.8	.7							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23119 STATION MARCH AFB CA/RIVERSIDE STATION NAME 7-70, 73-78 YEARS JUN MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	.2	.1								3.0	6.5
NNE		.1										.1	4.0
NE		.1										.1	5.0
ENE													
E													
ESE													
SE		.2	.1									.3	5.3
SSE	.1	.3	.3									.8	5.1
S	.1	.2	.2	.1								.7	7.3
SSW	.1											.1	2.0
SW	.2											.2	2.5
WSW	.2	.1										.3	2.7
W	.7	.4	.1									1.2	3.3
WNW	2.1	6.3	7.8	.8								17.0	6.5
NW	4.1	16.8	24.8	3.4								49.1	7.1
NNW	1.2	7.7	10.3	1.3								20.6	7.2
VARBL													
CALM												6.4	
	9.3	33.7	44.6	6.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 7-70, 73-78 YEARS JUNE MONTH  
ALL AS THE CLASS 2100-2300 0000Z (LST)  
CONDITION

SPEED (KNTS): DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.0										2.8	3.0
NNE	.2	.1										.3	2.7
NE	.2											.2	2.5
ENE													
E	.1											.1	2.0
ESE													
SE	.7	.3	.2									1.2	4.1
SSE	.9	2.1	.6									3.6	4.7
S	1.1	1.8	1.2									4.1	5.1
SSW	.3	.1										.4	3.5
SW	.1											.1	3.0
WSW	.2											.2	1.5
W	1.3	.9										2.2	3.0
WNW	5.7	2.3	.2									8.2	2.9
NW	10.4	6.7	.2									17.3	3.3
NNW	2.0	4.4	.2									10.2	3.4
VARB													
CALM												45.9	
	28.7	19.8	2.7									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 900

3

DATA PROCESSING BRANCH  
 DTIC/USAF  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 71-79, 73-78 YEARS JUN MONTH  
 ALL REF. F.M. CLIM ALL MONTHS (CLIM.)

SPEED KNTS. DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.7	1.0	.2								4.4	5.2
NNE	.4	.3	.0									.7	3.3
NE	.5	.2	.0									.6	2.9
ENE	.2	.1		.0								.4	3.6
E	.4	.1	.1	.0	.0							.7	4.0
ESE	.6	.1	.0									.7	2.7
SE	.9	.8	.2	.0								2.5	4.0
SSE	1.3	1.4	.5	.1								3.4	4.7
S	1.4	1.1	.5	.1								3.1	4.5
SSW	.5	.1	.0									.6	2.9
SW	.3	.1	.0									.5	2.6
WSW	.3	.1	.0									.4	3.1
W	.9	1.0	.4	.1								2.3	4.5
WNW	2.2	3.2	5.2	1.2	.0							11.9	6.9
NW	3.8	5.2	9.2	3.6	.1							22.3	7.2
NNW	4.3	3.5	3.6	1.3	.0							11.0	6.6
VARBL													
CALM												35.0	
	17.4	19.1	21.2	6.5	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.5										1.3	3.1
NNE	.2											.2	1.5
NE			.1									.1	8.0
ENE	.2											.2	2.5
E	.3											.3	2.0
ESE		.1										.1	5.0
SE	.4		.1									.5	3.2
SSE	.9	.3	.2									1.4	3.8
S	.5	.1										.6	2.3
SSW	.3											.3	1.3
SW													
WSW	.2	.2										.4	3.5
W	1.3	.4	.1									1.8	3.2
WNW	2.4	1.5										3.9	2.9
NW	5.8	1.5										7.3	2.5
NNW	3.8	.2										4.0	2.3
VARBL													
CALM												77.4	
	17.1	4.9	.5									100.0	.6

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70,73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.1									1.5	3.4
NNE	.2											.2	2.0
NE	.1	.1										.2	2.0
ENE	.3											.3	2.0
E	.1											.1	2.0
ESE	.2											.2	2.5
SE	.3	.2										.5	3.4
SSE	1.6	.5										2.2	2.9
S	.4	.2	.3									1.0	4.3
SSW	.2	.1										.3	2.3
SW													
WSW													
W	.9	.2										1.1	2.4
WNW	2.2	.2										2.4	2.3
NW	2.4	.5										2.9	2.6
NNW	2.2	.1										2.3	2.2
VARBL													
CALM												84.8	
	12.0	2.7	.4									100.0	.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.5										2.4	2.4
NNE	.5	.1										.6	2.5
NE	.6	.1										.8	2.3
ENE	.2											.2	1.5
E	.6	.1										.8	2.6
ESE	1.5	.2										1.7	2.3
SE	2.9	.5										3.4	2.5
SSE	2.8	.8										3.5	2.8
S	2.5	.9										3.3	2.7
SSW	.6											.6	2.2
SW	.4											.4	1.8
WSW	.3											.3	1.7
W	.8	.1										.9	2.4
WNW	.6	.3										1.0	2.8
NW	1.1	.3										1.4	2.8
NNW	1.4	.5										1.9	2.8
VARBL													
CALM												76.7	
	18.8	4.5										100.0	.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 13	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	4.2	.8									9.2	3.8
NNE	2.5	.7										3.3	2.6
NE	1.4	.1										1.5	2.5
ENE	1.2	.5										1.7	2.4
E	2.7	.3										3.0	2.4
ESE	1.7	.8										2.5	2.7
SE	3.0	1.1										4.1	2.9
SSE	1.5	.6	.3									2.5	3.7
S	2.4	1.3										3.7	2.9
SSW	1.1	.2										1.3	2.8
SW	1.1		.1									1.2	2.8
WSW	.8											.3	2.0
W	2.0	2.3	.4									4.7	2.8
WNW	2.5	6.2	2.0									10.8	4.9
NW	3.0	8.1	4.2									15.3	5.4
NNW	2.6	4.9	2.2									9.7	5.0
VARBL													
CALM												24.6	
	33.7	31.5	10.0									100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23113  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	1.7	.2								4.8	6.3
NNE	.1	.1										.2	4.0
NE	.1	.1	.1									.3	5.3
ENE	.2											.2	3.0
E	.2	.2	.1									.5	4.6
ESE	.1	.1										.2	2.5
SE	.1	.1	.1									.3	5.0
SSE	.1	.4	.1									.6	5.2
S	.1	.4	.3	.1								1.0	7.2
SSW	.2	.1										.3	3.3
SW		.1	.1									.2	6.5
WSW		.2	.5									.8	6.7
W	.5	3.4	2.4									6.3	6.0
WNW	.2	8.3	16.3	1.7								27.1	7.6
NW	.8	8.7	23.4	4.8								37.7	8.2
NNW	.4	4.5	10.9	2.4								17.3	8.0
VARBL													
CALM												1.9	
	4.6	28.9	55.3	9.2								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	1.0	1.2								2.4	10.3
NNE													
NE	.1											.1	2.0
ENE	.1	.1										.2	3.0
E	.1											.1	3.0
ESE	.1	.1										.2	3.0
SE				.1								.1	14.0
SSE		.1		.1								.2	10.5
S			.1									.1	8.0
SSW			.1									.1	8.0
SW													
WSW			.1									.1	9.0
W		.5	1.5	.3								2.4	8.5
WNW		1.2	13.3	7.1								21.6	9.9
NW	.1	2.7	29.2	19.7	.3							52.0	10.3
NNW	.1	1.2	10.0	8.3	.3							19.9	10.5
VARBL													
CALM												.4	
	.6	6.1	55.4	36.8	.6							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 47-70, 73-78 YEARS JUL MONTH  
1800-2000 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.7	1.2								4.2	7.7
NNE	.1	.1										.2	3.5
NE	.1											.1	3.0
ENE													
E	.1											.1	3.0
ESE													
SE	.1											.1	3.0
SSE	.1	.1										.2	3.5
S	.1		.1	.1								.3	3.3
SSW	.1											.1	2.0
SW	.2											.2	2.5
WSW	.2	.1										.3	3.0
W	1.0	.9	.5									2.4	4.9
WNW	2.4	5.6	5.8	.8								14.5	6.2
NW	5.4	16.3	24.6	3.4								49.8	7.0
NNW	1.7	7.0	11.0	1.7								21.4	7.3
VARBL													
CALM												5.4	
	12.2	31.5	43.8	7.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117 STATION MARCH AFB CA/RIVERSIDE 7-70, 73-76 YEARS JUL NORTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.9	.3									3.0	3.6
NNE	.2	.2										.4	3.5
NE													
ENE	.1	.1										.2	3.0
E	.2											.2	2.5
ESE	.2											.2	2.0
SE	.2											.2	2.5
SSE	.5	.6										1.3	3.7
S	1.1	.2										1.3	2.4
SSW	.1											.1	2.0
SW	.0	.1	.1									.9	3.3
WSW	.2											.2	2.5
W	2.5	1.8	.1									4.4	3.2
WNW	8.4	4.8	.2									13.4	3.2
NW	11.3	5.4	.3									17.0	3.0
NNW	4.9	3.1	.2	.1								8.4	3.4
VARBL													
CALM												48.7	
	32.5	17.4	1.3	.1								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23113 MARCH AFB CA/RIVERSIDE 67-70, 73-78 JUL  
STATION MONTH  
ALL WEATHERS  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
M	1.4	1.3	.7	.3								3.7	5.2
NNE	.5	.2										.7	2.7
NE	.3	.1	.3									.4	3.0
ENE	.3	.1										.4	2.4
E	.6	.1	.0									.6	2.6
ESE	.5	.2										.6	2.6
SE	.9	.2	.0	.0								1.2	3.0
SSE	.9	.5	.1	.0								1.5	3.5
S	.9	.4	.1	.0								1.4	3.5
SSW	.3	.1	.0									.4	2.6
SW	.3	.0	.0									.4	3.0
WSW	.2	.1	.1									.4	3.8
W	1.1	1.2	.6	.0								3.0	4.7
WNW	2.4	3.5	4.7	1.2								11.8	6.6
NW	3.7	5.4	10.2	3.5	.0							22.9	7.4
NNW	2.1	2.7	4.2	1.6	.0							10.6	7.1
VARBL													
CALM												40.0	
	16.4	16.0	20.8	6.7	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7440



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/AF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2										1.7	2.4
NNE	.2	.1										.3	2.3
NE	.1											.1	2.0
ENE	.2											.2	2.0
E		.1	.1	.1								.3	2.0
ESE			.1									.1	2.0
SE	.4	.3		.2								1.0	5.2
SSE	.2	.8	.2									1.2	4.5
S	.2	.8	.2									1.2	5.1
SSW	.4	.2										.5	2.8
SW	.4											.4	2.3
WSW	.1											.1	2.0
W	.6											.6	2.3
WNW	3.0	.6										3.7	2.6
NW	5.1	1.2	.2									6.5	2.8
NNW	2.5	.8	.1									3.3	2.6
VARBL													
CALM												73.6	
	15.1	5.1	1.0	.3								100.0	.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 7-70, 73-78 YEARS  
ALL WEATHER CLASS  
0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.0
NNE	.4											.4	2.3
NE	.2	.1										.6	2.7
ENE	.2	.2		.2								.6	4.3
E		.2										.2	5.5
ESE	.2	.1										.3	3.0
SE	.1	.3										.4	3.8
SSE	.4	1.0										1.4	4.0
S	.8	1.4	.1									2.3	4.1
SSW													
SW	.2	.1										.3	2.7
WSW	.1	.1										.2	3.0
W	.2											.5	2.2
WNW	1.4	.3										1.7	2.6
NW	2.9	.6										3.5	2.6
NNW	1.3	.3										1.6	2.7
VARBL													
CALM												84.7	
	10.1	4.8	.1	.2								100.0	.5

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAF

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2311P  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.2										1.3	2.2
NNE	.9	.1	.1									1.1	2.7
NE	.1											.1	.0
ENE	.2	.1										.3	.0
E	1.0		.2	.1								1.3	.2
ESE	.0	.2										.9	.8
SE	1.7	.5	.3									2.6	.5
SSE	1.1	1.0	.4									3.3	4.2
S	1.7	1.4	.2									3.3	3.5
SSW	.6	.1										.8	2.3
SW	.2											.2	2.5
WSW	.1											.1	3.0
W	.8	.1										.9	2.4
WNW	1.1	.5	.1									1.7	3.0
NW	1.8	.3										2.2	2.5
NNW	2.2	.2										2.5	2.3
VARBL													
CALM												77.5	
	15.2	5.8	1.4	.1								100.0	.7

TOTAL NUMBER OF OBSERVATIONS

930

3

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE STATION NAME 67-70, 73-78 YEARS AUG MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	.6									5.7	4.3
NNE	1.4	.9	.1									2.4	3.1
NE	1.3	.2	.1									1.6	2.7
ENE	.6	.2	.1									1.0	3.1
E	2.4	1.2	.3	.2								4.1	3.7
ESE	1.7	.8	.2									2.7	3.3
SE	1.6	2.4	.1	.1								4.2	4.0
SSE	1.8	1.9	.5	.1								4.4	4.3
S	2.5	1.7	.2									4.4	3.3
SSW	1.0	1.0		.1								2.0	3.9
SW	1.0	.2										1.2	2.5
WSW	.5	.4										1.0	3.7
W	1.8	1.2	.4									3.4	4.0
WNW	3.1	5.3	1.4									9.8	4.5
NW	1.7	6.5	3.3									11.5	5.4
NNW	2.4	3.3	1.5	.2								7.4	4.9
VARBL													
CALM												33.2	
	26.9	30.1	9.0	.8								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

57-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.2	1.8	.2								4.7	6.5
NNE	.2	.1	.1									.4	4.3
NE	.4			.1								.5	4.4
ENE	.1	.2										.3	3.7
E	.1	.5	.1									.8	5.3
ESE	.2	.2	.1		.1							.6	7.7
SE		.3		.1								.4	6.3
SSE	.2	.3										.5	3.6
S	.1	.9	.4	.2								1.6	7.0
SSW	.1	.1	.1	.1								.4	8.3
SW	.2	.2										.4	3.8
WSW	.1	.3										.4	4.0
W	1.2	1.9	2.3									5.4	5.8
WNW	1.2	7.4	16.9	4.1								29.6	7.9
NW	.6	8.3	20.4	5.9								35.3	8.3
NNW	.3	4.8	9.0	1.3								15.5	7.8
VARBL													
CALM												3.0	
	5.7	27.8	51.3	12.0	.1							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.5	.6								1.5	9.4
NNE		.1										.1	4.0
NE	.1	.2		.1								.4	7.0
ENE													
E	.1		.1			.1						.3	11.0
ESE	.1	.2				.1						.4	9.3
SE		.1			.1							.2	10.5
SSE			.1		.1							.2	14.0
S			.1	.1								.2	10.5
SSW		.2	.2									.4	7.8
SW		.2										.2	6.0
WSW		.1										.1	4.0
W		.2	.2	.1								.6	7.3
WNW	.3	1.2	10.0	9.6								21.1	10.3
NW	.4	5.0	24.6	27.9	.6							58.5	10.5
NNW		1.5	7.0	6.6								15.1	10.3
VARBL													
CALM												.4	
	1.1	9.4	43.0	45.0	.9	.2						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.0	.1								3.2	5.5
NNE	.1	.1	.2	.1								.5	7.2
NE	.1		.1									.2	6.0
ENE			.1									.1	8.0
E		.1	.1									.2	7.0
ESE													
SE		.1		.1								.2	10.0
SSE	.2	.1	.1									.4	5.5
S	.1	.2										.4	4.8
SSW		.2										.2	4.0
SW	.1											.1	2.0
WSW	.1	.1										.2	3.0
W	.6	1.3										1.9	4.0
WNW	3.9	4.1	5.4	1.5	.1							15.0	6.2
NW	5.1	14.7	21.6	4.2								45.5	7.0
NNW	3.6	8.6	8.8	1.1								22.1	6.4
VARBL													
CALM												9.5	
	14.6	31.3	37.4	7.1	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

527

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23113  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.6	.1									2.1	3.2
NNE	.1	.1										.2	3.5
NE	.3	.2	.1									.6	4.0
ENE	.1											.1	2.0
E	.1	.1		.1								.3	7.7
ESE		.2										.2	5.0
SE	.3											.3	2.0
SSE	.5	.4										1.0	3.6
S	.8	.2	.2									1.2	3.8
SSW	.3	.1										.4	2.3
SW	.2											.2	2.5
WSW	.2											.2	2.5
W	2.6	1.5										4.1	3.1
WNW	6.2	3.7	.4									10.3	3.3
NW	7.8	5.7	.6									14.1	3.4
NNW	3.6	2.5	.8									6.8	3.6
VARBL													
CALM												57.8	
	24.4	15.4	2.3	.1								100.0	1.4

TOTAL NUMBER OF OBSERVATIONS

926



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.5	.1								2.7	4.8
NNE	.4	.2	.1	.0								.7	3.5
NE	.4	.1	.0	.0								.5	3.7
ENE	.2	.1	.0	.0								.3	4.0
E	.5	.3	.1	.1		.0						.9	4.8
ESE	.4	.2	.1		.0	.0						.7	4.4
SE	.5	.5	.1	.1	.0							1.2	4.3
SSE	.6	.8	.2	.0	.0							1.6	4.4
S	.3	.8	.2	.0								1.8	4.2
SSW	.3	.2	.0	.0								.6	4.1
SW	.3	.1										.4	2.9
WSW	.2	.1										.3	3.4
W	1.0	.8	.4	.0								2.2	4.3
WNW	2.5	2.9	4.3	1.9	.0							11.6	6.9
NW	3.2	3.3	8.8	4.8	.1							22.1	7.7
NNW	2.0	2.8	3.4	1.1								9.3	6.7
VARBL													
CALM												43.1	
	14.1	16.2	18.2	8.2	.1	.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

7431

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6										1.2	3.5
NNE	.1	.1										.2	4.0
NE	.2	.3	.1									.7	4.0
ENE		.1										.1	4.0
E	.2	.4	.1	.1								.9	5.5
ESE	.3	.1		.1								.6	5.6
SE	.0	.9										1.4	3.9
SSE	.1	1.0		.1								1.2	5.4
S	1.1	.9	.2									2.2	3.9
SSW		.2	.1									.3	5.7
SW	.1		.1									.2	5.0
WSW	.2											.2	2.5
W	.9	.2										1.1	2.5
WNW	1.9	1.0										2.9	2.6
NW	4.3	2.8										7.1	3.3
NNW	2.7	1.8	.1									4.6	3.3
VARBL													
CALM												75.0	
	13.4	10.4	.6	.3								100.0	.7

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

50-70, 72-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3										.6	3.6
NNE	.2	.1										.3	3.3
NE	.3	.6	.3									1.1	4.8
ENE													
E	.3	.1		.1								.6	5.2
ESE	.6	.1										.7	2.5
SE	.8	.9	.1									1.8	3.7
SSE	.8	1.7	.1									2.6	4.1
S	.7	.2	.2									1.1	4.0
SSW	.2	.2	.1									.6	4.6
SW	.3	.3										.7	3.3
WSW	.4	.1										.5	2.4
W	.6	.2										.8	2.4
WNW	1.8	1.0										2.8	3.0
NW	4.2	1.2										5.4	2.8
NNW	1.7	1.8										3.4	3.4
VARBL													
CALM												77.1	
	13.1	8.9	.8	.1								100.0	.8

TOTAL NUMBER OF OBSERVATIONS 700

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.4	.3									2.2	3.5
NNE	.8	.3										1.1	3.2
NE	.4	.7	.1									1.2	4.1
ENE	.4	.1	.1	.2								.9	5.6
E	.3	.1	.2	.1	.1							.9	7.8
ESE	.7	.2	.3	.1								1.3	5.6
SE	2.0	.7	.1									2.8	3.0
SSE	.7	1.6	.3									2.6	4.7
S	2.3	.8	.2									3.8	2.7
SSW	.2	.3										.6	3.4
SW	.9	.3										1.2	2.3
WSW		.2										.2	4.5
W	1.1	.3										1.4	2.5
WNW	1.3	1.0	.3									2.7	4.0
NW	1.6	1.1	.9									3.2	4.1
NNW	1.0	1.1	.2									2.3	4.0
VARBL													
CALM												71.6	
	15.7	9.3	2.9	.4	.1							100.0	1.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

44-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.2	.7									5.2	4.0
NNE	1.2	.6										2.1	3.2
NE	1.1		.1	.1								1.3	3.3
ENE	.4	.2	.2	.2		.1						1.2	7.5
E	1.3	.4	.7	1.4	.4							4.3	9.0
ESE	2.1	.3	.4	.9		.1						3.9	6.5
SE	3.1	1.8	.7	.3								5.9	4.3
SSE	1.8	2.7	.2	.2								4.9	4.3
S	1.6	1.4	.1	.1								3.2	3.9
SSW	1.1	.4										1.6	3.0
SW	.9	.1										1.0	2.6
WSW	.7	.1										.8	2.3
W	1.6	1.6	.1									3.2	3.5
WNW	2.9	3.2	1.9	.1								8.1	5.0
NW	3.4	4.9	2.3	.1								10.8	4.8
NNW	2.6	4.0	1.1	.2								7.9	4.6
VARBL													
CALM												34.6	
	28.2	24.2	8.6	3.8	.4	.2						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.4	2.7	.3								7.2	6.3
NNE	.4	.8	.1									1.3	4.3
NE	.4	.6	.2	.1								1.3	5.2
ENE	.3	.2	.2	.2	.1	.1						1.2	9.0
E	.8	1.1	.9	.7	.2	.1						3.8	8.2
ESE	.4	.1	.7	.3								1.6	7.4
SE	.2	.3	.3	.2	.1							1.2	8.2
SSE	.3	.4	.2	.1								1.1	5.5
S	.2	.4	.3	.2								1.2	7.1
SSW	.1	.6	.1									.8	4.7
SW	.6	.2	.1									.9	3.9
WSW	.1	.2										.3	3.7
W	.8	2.9	2.0	.1								5.8	5.8
WNW	1.2	6.2	15.3	3.0								25.8	7.9
NW	1.2	7.1	16.6	4.1								29.0	8.1
NNW	1.2	5.1	6.6	1.2	.1							14.2	7.3
VARBL													
CALM												3.2	
	9.2	29.8	46.3	10.7	.6	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.4	1.0								4.8	8.7
NNE	.3	.1		.1								.6	5.0
NE	.1	.3	.3									.8	5.9
ENE	.1	.2		.1								.4	7.0
E			.4	1.7								2.1	12.1
ESE			.4	.8	.1							1.3	11.8
SE		.1	.1	.1								.3	8.3
SSE		.2	.1		.1							.4	9.5
S	.1	.2	.2	.1								.7	7.3
SSW			.2									.2	9.0
SW	.1											.1	2.0
WSW		.2										.2	6.0
W	.1	.6	.9	.4								2.0	8.1
WNW	.1	1.3	15.4	9.0	.1							26.0	9.9
NW		4.4	25.0	14.9	.2							44.6	9.8
NNW	.1	2.2	8.3	3.2	.3							14.3	9.3
VARBL													
CALM												1.1	
	1.4	11.0	54.0	31.6	.9							100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

2311-  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.6	.8									4.8	4.3
NNE	.6	.3	.3									1.2	4.3
NE	.1	.3	.3									.8	6.3
ENE			.1									.1	7.0
E		.2	.4	.7	.1							1.4	10.4
ESE	.2	.2	.2	.2								.9	7.1
SE	.1	.2										.3	4.0
SSE	.2	.3	1.1	.1								1.8	7.1
S	.4	.8	.4									1.7	4.9
SSW	.1	.1										.2	4.0
SW	.1	.1										.2	3.0
WSW	.1											.1	3.0
W	1.6	1.0	.1									2.7	3.2
WNW	3.8	6.9	4.2	.1								15.0	5.3
NW	5.1	14.4	14.9	.6								35.0	6.2
NNW	2.6	7.3	4.6	.3								14.8	5.6
VARBL													
CALM												19.0	
	16.4	34.9	27.6	2.0	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

50-70-73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLAS

2100-2300  
HOURS (L.S.T.)

SPEED (KNT) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	.2									2.6	4.0
NNE	.2	.2	.1									.5	4.6
NE	.2	.3		.2								.8	4.1
ENE		.1	.1	.1								.3	4.7
E	.2	.2		.1								.5	4.8
ESE	.2	.2										.4	3.3
SE	.2	.4	.1									.8	5.0
SSE	1.2	.8	.8									2.8	4.8
S	1.2	1.4	.3									3.0	4.1
SSW	.2											.2	2.0
SW	.2	.1										.3	3.0
WSW	.1	.1										.2	3.5
W	1.2	.6	.2									2.0	3.3
WNW	4.8	2.7	.2									7.7	3.6
NW	6.3	4.0	.4									10.8	3.6
NNW	3.0	2.3	.7									6.0	3.9
VARBL													
CALM												61.0	
	20.4	15.9	3.2	.4								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 600

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.9	.2								3.6	5.4
NNE	.5	.3	.1	.0								.9	3.8
NE	.4	.4	.2	.1								1.0	4.8
ENE	.2	.1	.1	.1	.0	.0						.5	7.5
E	.4	.3	.3	.6	.1	.0						1.8	8.8
ESE	.6	.2	.3	.3	.0	.0						1.3	6.8
SE	.9	.7	.2	.1	.0							1.8	4.4
SSE	.6	1.1	.4	.1	.0							2.2	5.0
S	1.0	.8	.3	.1								2.1	4.1
SSW	.2	.2	.1									.6	4.1
SW	.4	.2	.0									.6	3.0
WSW	.2	.1										.3	3.1
W	1.0	.9	.4	.1								2.4	4.5
WNW	2.2	2.9	4.7	1.5	.0							11.4	7.0
NW	3.3	5.0	7.5	2.5	.0							18.2	7.0
NNW	1.8	3.2	2.7	.6	.1							8.4	6.2
VAP3L													
CALM												42.8	
	14.7	17.9	18.0	6.2	.3	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

7200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4		.1								2.5	4.2
NNE	.5	.1	.2									.9	4.1
NE	.4	.1	.5	.2								1.3	6.8
ENE	.3	.2										.5	3.8
E	.5	.3	.1									1.0	3.4
ESE	.1	.1										.2	4.0
SE	.2	.2	.1									.5	4.4
SSE	1.0	.6	.1									1.7	3.4
S	1.4	.4	.1									1.9	3.3
SSW	.2	.1										.3	3.0
SW	.1	.1										.2	3.5
WSW	.1											.1	3.0
W	1.0	.3										1.3	2.4
WNW	1.3	.4										1.7	2.9
NW	3.1	2.3	.1									5.7	3.3
NNW	.9	1.2	.2									2.3	4.0
VARBL													
CALM												77.8	
	12.2	8.2	1.5	.3								100.0	.8

TOTAL NUMBER OF OBSERVATIONS

929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

50-70, 73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.1	.1								2.2	4.3
NNE	.3	.5	.2	.1								1.2	5.7
NE	.4	.3	.3	.1								1.2	5.8
ENE	.3	.2		.2								.8	6.1
E	1.0	.3		.2								1.5	3.9
ESE	.4	.2										.6	2.7
SE	.5	.3	.1									1.0	3.6
SSE	1.6	1.2										2.8	3.3
S	1.1	.3										1.4	2.5
SSW	.5	.1										.6	2.7
SW	.1	.1										.2	4.0
WSW	.3											.3	1.7
W	1.0	.2										1.2	2.5
WNW	1.5	.8										2.3	2.7
NW	1.6	1.6	.1									3.3	3.6
NNW	1.5	1.3	.1		.1							3.0	4.1
VARBL													
CALM												76.5	
	13.2	8.5	1.0	.3	.1							100.0	.9

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

HARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.5		.1							2.6	4.9
NNE	.8	.5	.4	.1								1.8	5.2
NE	.8	.4	.6	.3								2.2	6.6
ENE	.8	.3	.2	.1								1.4	5.1
E	1.0		.3	.1								1.4	4.6
ESE	1.1	.6	.1									1.8	3.4
SE	1.7	1.3	.3									3.3	3.6
SSE	2.2	1.9	.1									4.2	3.6
S	2.4	.6										3.0	2.8
SSW	.4	.1										.5	2.6
SW	.2	.1										.3	2.3
WSW	.4											.4	2.0
W	.4	.3										.8	3.6
WNW	.6	.2										.9	3.1
NW	1.2	1.0	.2									2.4	3.7
NNW	1.2	1.1	.1		.1							2.5	4.5
VARBL													
CALM												70.5	
	16.5	9.1	3.0	.6	.2							100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFS CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

OCT  
MONTH

0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.8	1.0	.9	.3							5.9	6.8
NNE	1.6	.5	.3									2.9	4.3
NE	1.0	.6	.8	.1								2.5	5.4
ENE	.8	.4	.6	1.3	.2							3.3	9.4
E	1.4	.5	.5	.9	.2							3.5	7.4
ESE	2.0	.4	.2									2.7	2.9
SE	3.1	2.2	.6	.1								6.0	3.9
SSE	3.3	2.7	.5									6.6	3.5
S	4.0	1.4	.4									5.8	3.2
SSW	.8	.3										1.1	3.0
SW	.9	.1	.1									1.1	2.9
WSW	.4	.1										.5	2.4
W	1.1	.4	.2									1.7	3.8
WNW	1.8	1.6	.5									4.0	4.2
NW	2.5	2.7	.4	.1								5.7	3.9
NNW	1.7	2.0	.9	.6	.1							5.4	5.9
VARBL													
CALM												41.3	
	28.3	18.0	7.6	4.0	.9							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	4.1	2.2	.2	.6	.1						9.2	6.3
NNE	1.0	1.1	.5									2.6	4.6
NE	.5	.8	.1									1.4	4.1
ENE	.3	1.1	.3	.3								2.0	6.3
E	1.1	1.2	2.2	1.4	.2							6.0	8.4
ESE	.4	.2	.6	.3								1.6	6.7
SE	1.5	.5	.6									2.7	4.1
SSE	.6	.5	.2									1.4	4.2
S	1.1	.3	.5	.2								2.2	5.4
SSW	.8	.5										1.3	3.3
SW	1.2	.2	.1									1.5	3.1
WSW	.2	.4	.2	.1								1.0	6.0
W	.8	2.0	2.4		.1	.1						5.4	6.7
WNW	1.1	5.7	8.3	1.2								16.2	7.1
NW	.9	7.8	12.2	1.3	.2							22.4	7.5
NNW	1.8	4.7	5.5	1.3	.9							14.2	7.6
VARBL													
CALM												8.9	
	15.3	31.3	35.9	6.3	2.0	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAL/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70,73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	1.0	1.0	.5							4.4	9.1
NNE	.4	.8	.3	.2	.2							1.9	7.8
NE	.1	.3	.5									1.0	6.6
ENE	.3	1.0	.6	.4	.2							2.6	7.9
E	.2	.3	1.8	.6								3.0	8.8
ESE	.1	.3	.2									.6	6.0
SE	.1	.3										.4	4.3
SSE	.1		.2									.3	6.3
S	.1	.2	.3	.1								.8	7.1
SSW		.1	.1									.2	7.5
SW			.1									.1	10.0
WSW		.1	.2	.1								.4	9.5
W	.5	1.3	1.4	.3	.2							3.8	7.4
WNW	.9	7.2	15.2	3.2								26.5	7.9
NW	.5	10.2	22.6	5.3	.2							38.8	8.3
NNW	.2	3.4	5.8	2.3	.4							12.2	8.7
VARBL													
CALM												3.0	
	4.1	27.1	52.4	13.5	1.8							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70,73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.2	1.2		.1							5.1	5.1
NNE	.9	1.4	.1	.2								2.6	4.7
NE	.2	.4	.2									.9	5.5
ENE	.2	.4	.1	.2	.1							1.1	7.7
E	.1	.4	.5	.1								1.2	7.4
ESE	.2			.1								.3	5.3
SE	.3	.8	.1									1.2	4.0
SSE	.5	.5	.1									1.2	4.0
S	.8	.5										1.3	3.1
SSW	.4	.1										.5	2.8
SW	.5	.2	.1									.9	3.1
WSW	.3	.3	.1									.8	4.3
W	1.5	1.0	.2	.1								2.8	4.0
WNW	4.3	7.5	2.3	.2								14.3	4.7
NW	6.9	11.2	4.6	.3	.1							23.1	4.9
NNW	2.4	5.5	1.6									9.5	4.8
VARBL													
CALM												33.4	
	21.2	32.5	11.3	1.3	.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	.3									1.6	4.6
NNE	.8	.5	.3									1.6	4.3
NE	.6	.4	.3	.3								1.7	6.4
ENE	.1	.1										.2	3.0
E	.2		.2									.4	5.8
ESE	.6											.6	1.8
SE	1.0	.4	.3									1.7	4.0
SSE	1.0	1.0	.1									2.0	3.8
S	1.3	.6	.1									2.0	3.2
SSW	.9											.9	2.3
SW	.2											.2	2.0
WSW	.1	.1	.1									.3	5.3
W	1.0	1.3	.1									2.4	3.5
WNW	2.3	2.0	.2									4.5	3.6
NW	5.4	1.8	1.0	.1								8.2	3.6
NNW	3.6	1.8		.1								5.5	3.1
VARBL													
CALM												65.9	
	19.5	11.0	3.1	.5								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	.8	.3	.2	.0						4.2	6.1
NNE	.8	.7	.4	.1	.0							1.9	5.1
NE	.5	.4	.4	.1								1.5	5.9
ENE	.4	.5	.2	.3	.1							1.5	7.3
E	.7	.4	.7	.4	.1							2.3	7.2
ESE	.6	.2	.1	.1								1.1	4.0
SE	1.1	.8	.3	.0								2.1	3.9
SSE	1.3	1.1	.2									2.5	3.6
S	1.5	.6	.2	.0								2.3	3.5
SSW	.5	.2	.0									.7	3.0
SW	.4	.1	.1									.6	3.2
WSW	.2	.1	.1	.0								.5	4.6
W	.9	.9	.5	.1	.0	.0						2.4	5.1
WNW	1.7	3.2	3.3	.5								8.8	6.2
NW	2.8	4.9	5.1	.9	.1							13.7	6.3
NNW	1.7	2.6	1.8	.5	.2							6.8	6.2
VARBL													
CALM												47.2	
	16.3	18.2	14.2	3.4	.7	.0						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 7438

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	.2	.2	.1							3.3	5.2
NNE	.3	.3	1.1	.3								2.1	7.6
NE	1.2	1.1	.6	.1								3.0	4.7
ENE	.4	.4		.2	.2							1.3	8.1
E	1.1		.2	.3								1.7	5.1
ESE	.8	.3	.2	.2	.1							1.7	6.1
SE	.6	.7	.1	.3								1.7	5.7
SSE	1.1	1.1	.4									2.7	4.0
S	1.3	.3	.2									1.9	3.2
SSW	.8											.8	2.3
SW	.6											.6	2.6
WSW	.2	.2	.1									.6	4.6
W	.7	.3	.1									1.1	3.2
WNW	1.2	1.2	.1									2.5	3.6
NW	1.3	1.4	.4	.1								3.3	4.4
NNW	1.2	.7	.3		.2							2.4	5.2
VARBL													
CALM												69.3	
	14.2	9.7	4.2	1.9	.7							100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 50-70,73-77 YEARS NOV MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.7		.1							3.1	4.8
NNE	.7	.9	1.1	.4								3.1	6.5
NE	1.2	.8	.5	.7								3.0	6.1
ENE	.3	.2	.1	.2								.9	5.9
E	.7	.3	.4	.3								1.8	6.4
ESE	.6	.4										1.0	3.1
SE	.8	1.0	.4									2.2	4.4
SSE	1.2	1.0	.3									2.6	3.9
S	1.0	.7										1.7	3.1
SSW	.3	.3										.7	2.7
SW	.4	.2										.7	3.0
WSW	.2	.1										.3	4.0
W	1.1	.1	.1	.1								1.4	3.6
WNW	.7	.7	.2	.2								1.8	4.9
NW	.7	1.0	.3	.1								2.1	4.8
NNW	1.0	.4	.2	.2	.1							2.0	5.8
VARBL													
CALM												71.7	
	12.2	9.2	4.3	2.3	.7							100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

NEV  
BOOTH

ALL WEATHER  
CLASS

0600-0900  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS): DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 35	36 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.8	.3	.4	.1							2.2	6.7
NNE	1.1	.8	.4	.6	.1							3.0	6.7
NE	.7	.8	1.4	.6	.2							3.7	7.8
ENE	.9	.9	.4	.2								2.4	5.1
E	1.1	.6	.7									2.3	4.7
ESE	.7	.4	.5	.1								1.6	4.6
SE	1.9	1.7	.2	.1								3.9	3.8
SSE	1.0	2.6	.1									3.1	4.0
S	1.0	1.0	.3	.1								2.4	4.5
SSW	.4	.2										.7	3.0
SW	.4	.2										.7	3.0
WSW	.1	.1										.2	3.0
W	.8	.4	.1									1.3	3.2
WNW	.5	.3	.1									1.3	3.5
NW	.7	.4										1.1	2.7
NNW	1.1	.6	.1									1.8	3.5
VARBL													
CALM												68.2	
	13.3	11.2	4.7	2.1	.4							100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

50-70,73-77  
YEARS

NDV  
MONTH

ALL WEATHER  
CLIM

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.3	.8		.1							3.7	5.1
NNE	1.1	1.0	.3	.1	.1							2.7	5.1
NE	1.3	1.1	.9	.2	.1							3.7	5.0
ENE	.7	.9	1.1	1.2	.1							4.0	5.2
E	1.3	1.1	1.3	1.3	.3							5.4	5.7
ESE	2.8	1.7	.5	.7		.1						5.5	5.2
SE	4.4	3.2	1.1	.2								9.0	4.1
SSE	4.0	3.8	1.3	.2								9.3	4.4
S	2.9	3.1	.4	.6								7.0	4.7
SSW	1.3	.3	.1									1.8	2.8
SW	.3	.1	.1									.6	4.0
WSW	.2	.1	.1									.4	4.5
W	.4	.2	.2									.9	4.5
WNW	.4	.9	.6	.2								2.1	5.2
NW	1.0	1.1	.9	.1	.1							3.2	5.9
NNW	.7	1.1	.9									2.7	5.4
VARBL													
CALM												37.8	
	74.4	21.1	10.8	4.9	.9	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 500

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.4	1.3	.3	.4	.2						6.6	7.0
NNE	1.6	1.1	.3									3.0	3.9
NE	.9	.9	1.0	.4	.1							3.3	7.2
ENE	.9	1.9	1.1	2.7								6.6	8.8
E	.9	.8	2.4	1.9	.3	.2						6.6	9.4
ESE	1.2	.8	1.0	.4	.1							3.6	6.3
SE	1.3	1.0	1.2									3.6	5.2
SSE	.9	1.0	1.0	.3								3.2	5.9
S	1.6	1.1	1.0	.6								4.2	5.7
SSW	.6	.7	.4	.1								1.8	5.3
SW	.7	.1	.2	.2								1.2	5.1
WSW	.7	.3	.1									1.1	3.9
W	.6	2.7	1.1	.7								5.0	6.8
WNW	1.4	4.9	4.7	.6								11.6	6.4
NW	2.2	5.1	5.7	.3								13.3	6.4
NNW	1.7	3.8	3.7	1.2	.1							10.4	6.8
VARBL													
CALM												15.0	
	18.8	28.6	26.3	9.8	1.1	.4						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

900



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 MARCH AFB CA/RIVERSIDE 66-70, 73-77 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS 1500-1700  
CONDITION HOURS (L S T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.6	1.1	.3							5.3	8.0
NNE	.6	.7	.3	.3	.1	.1						2.1	7.4
NE	.6	1.8	1.4	.8								4.6	7.5
ENE	.1	1.1	2.1	1.7	.3							5.3	9.3
E	.7	.8	2.0	2.0	.7							6.7	10.0
ESE	.3	.9	.4	.4								2.1	7.0
SE	.4	.7	.4									1.6	4.9
SSE	.4	.9	.4									1.8	5.1
S	.4	.9	.4									1.8	5.1
SSW		.2	.3	.1								.7	7.0
SW			.1									.1	10.0
WSW	.1	.9	.4	.7								1.7	7.1
W	.4	1.8	1.4	.1								3.8	6.1
WNW	2.1	8.3	9.6	1.4								21.4	6.7
NW	2.8	9.7	12.0	1.2								25.7	6.6
NNW	1.2	3.4	3.2	1.6								9.4	7.2
VARBL													
CALM												6.0	
	10.9	33.7	36.9	11.0	1.4	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.2	.4	.3								6.7	4.4
NNE	.9	1.6	1.6	.1								4.1	5.7
NE	.6	1.4	2.2	.8								5.0	7.3
ENE	.6	.8	.7	.7								2.7	7.1
E	.3	.3	.8	.7								2.6	7.3
ESE		.6	.3	.1								1.0	7.1
SE	.4	.7	.4									1.6	5.4
SSE	.6	.7	.7									1.9	5.4
S	1.2	.9	.2									2.3	3.6
SSW	.6	.2										.8	2.9
SW	.1	.2										.3	3.3
WSW	.8	.2										1.0	2.6
W	2.0	.7	.7	.1								3.4	4.2
WNW	3.3	3.0	.7									7.6	3.9
NW	6.1	6.0	1.4	.2								13.8	4.2
NNW	2.9	3.3	.8		.1							7.1	4.5
VARBL													
CALM												38.2	
	23.4	24.2	10.9	3.0	.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

900

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.6	.4	.3								4.0	4.9
NNE	.8	1.6	.4	.1								2.9	4.9
NE	.1	.7	.4	.8								2.0	9.1
ENE	.2	.1	.6	.3	.1							1.3	8.9
E	.2	.8	.4	.4		.1						2.0	8.6
ESE	.7	.9	.6									2.1	4.5
SE	.4	1.2	.6	.1								2.3	5.3
SSE	.3	1.4	.4	.1								2.3	5.5
S	1.1	.4										1.6	3.0
SSW	.7	.4	.1									1.2	3.9
SW	.8											.8	2.0
WSW	.3		.1									.4	4.0
W	1.5	.4										2.2	2.6
WNW	1.8	1.0	.1									2.9	3.1
NW	2.1	1.8	.2									4.1	3.4
NNW	2.3	1.7	.4	.1	.1							4.7	4.2
VARBL													
CALM												63.1	
	15.4	14.0	4.9	2.3	.2	.1						100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

899

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.7	.7	.3	.2	.0						4.4	5.8
NNE	.9	1.0	.7	.3	.0	.0						2.9	5.9
NE	.8	1.1	1.0	.5	.1							3.5	6.9
ENE	.5	.8	.8	.9	.1							3.1	8.1
E	.8	.6	1.1	.9	.2	.0						3.6	8.2
ESE	.9	.8	.4	.3	.0	.0						2.3	5.6
SE	1.3	1.3	.6	.1								3.2	4.6
SSE	1.2	1.5	.6	.1								3.4	4.7
S	1.3	1.1	.3	.2								2.9	4.4
SSW	.8	.3	.1	.0								1.0	3.8
SW	.4	.1	.1	.0								.6	3.6
WSW	.3	.3	.1	.0								.7	4.7
W	1.0	.8	.5	.1								2.4	4.9
WNW	1.5	2.6	2.0	.3								6.4	5.7
NW	2.1	3.3	2.6	.3	.0							8.3	5.6
NNW	1.5	1.9	1.2	.4	.1							5.1	5.8
VARBL													
CALM												46.2	
	16.6	19.0	12.9	4.7	.6	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

7199

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

56-70, 73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	.6	.4			.1					3.7	6.7
NNE	1.1	.5	.9	.1	.2							2.8	6.3
NE	1.1	1.2	.6	.1								3.0	5.1
ENE	.6	.6	.3	.3	.2							2.2	7.5
E	1.1	.5	.2	.3	.2	.3						2.7	8.7
ESE	.6	.6	.2	.1								1.6	4.7
SE	1.1	.8	.5	.1	.1							2.6	5.3
SSE	1.2	1.1	.8									3.0	4.7
S	1.2	.5	.1									1.8	3.4
SSW	1.2	.6										1.8	3.1
SW	.5	.2										.8	2.4
WSW	1.0	.4										1.4	2.8
W	1.0	.4	.1									1.5	2.9
WNW	1.5	.6	.1									2.3	3.0
NW	.9	1.1	.1	.1		.1						2.3	5.3
NNW	1.6	1.1	.1	.2								3.0	4.2
VARBL													
CALM												63.7	
	16.5	12.0	4.7	1.8	.8	.4	.1					100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.1	.2	.2	.1						3.3	7.9
NNE	.5	.9	.6	.1								2.3	5.6
NE	.3	1.0		.8								2.0	7.4
ENE	.5	.6	.4	.1								1.8	5.1
E	.5	.5	.4	.3	.2							2.0	7.9
ESE	.5	.4	.1			.1						1.2	6.1
SE	.9	1.0	.5									2.4	4.8
SSE	1.9	1.4	.3	.1								3.8	4.0
S	1.5	.9	.2									2.6	3.6
SSW	.8	.1										.9	2.3
SW	.2	.3										.5	3.8
WSW	.5											.5	2.4
W	1.2	.5	.1									1.8	3.3
WNW	.9	.6	.2									1.7	4.3
NW	2.2	.6	.2									3.0	3.1
NNW	1.1	1.2	.4	.4		.1						3.2	5.7
VARBL													
CALM												06.9	
	14.3	11.3	4.7	2.0	.4	.3						100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.4	.4	.1	.1						3.2	6.6
NNE	.6	1.1	.9	.2								2.8	5.9
NE	.6	.6	.4	.5		.1						2.4	7.5
ENE	.2	.2	.9	.2	.2							1.7	9.2
E	.5	.3	.4	.2	.1	.1						1.7	8.0
ESE	.5	.8	.2									1.5	3.5
SE	1.4	1.1	.3	.1								2.9	3.9
SSE	2.0	1.0	.2	.1								3.3	3.5
S	1.1	.3	.2	.2								1.8	4.6
SSW	1.2	.4										1.6	2.9
SW	.3	.3										.6	2.0
WSW	.6											.6	2.2
W	.2	.1										.8	2.1
WNW	1.5	.3	.2	.1								2.2	3.8
NW	1.2	1.1	.2	.3								2.8	5.3
NNW	1.1	1.4	.2	.4	.1							3.2	5.8
VARBL													
CALM												66.8	
	14.6	10.2	4.6	2.9	.3	.3						169.0	1.7

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	1.6	1.1	.6	.2						5.9	6.7
NNE	.4	1.4	.9	.2			.1					3.0	6.9
NE	.9	.8	1.5	1.1	.1							4.3	8.2
ENE	.8	.6	1.4	.6	.2							3.7	8.1
E	1.7	1.4	1.7	.8	.1	.1						5.8	6.7
ESE	2.4	.6	.4	.2	.1							3.8	4.1
SE	4.3	3.0	.6	.2								8.2	3.9
SSE	5.6	3.3	.6	.2								10.2	3.8
S	4.3	2.2	.8									7.2	3.5
SSW	.4	.3	.1									.9	3.8
SW	.5	.3										.9	3.1
WSW		.2	.1									.3	6.7
W	.3	.3	.2	.2								1.1	6.3
WNW	.4	.2	.3									1.0	4.3
NW	.3	.5	.3	.1	.1							1.4	6.8
NNW	1.1	1.1	.5	.2	.2	.1						3.2	6.6
VARBL													
CALM												39.2	
	24.5	18.0	11.2	4.9	1.5	.5	.1					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 50-70.73-77 YEARS DEC NORTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.9	.5	1.9	.9	.5	.2					9.4	9.0
NNE	1.4	1.1	.6	.2								3.3	4.7
NE	1.2	.6	1.1	1.3	.5	.2						4.9	9.6
ENE	.8	1.2	1.6	1.7	.2	.1						5.6	9.3
E	1.8	1.2	2.4	2.4	.3							8.1	8.3
ESE	1.3	1.3	.3	.1								3.0	4.5
SE	2.0	1.3	.8									4.1	4.3
SSE	1.6	1.9	.9	.2								4.6	4.9
S	1.9	1.7	1.6		.1							5.4	5.0
SSW	.5	.2	.3									1.1	4.2
SW	.8	.4		.1								1.3	4.1
WSW	.2		.1									.3	4.3
W	.5	1.4	.8	.2								2.9	5.6
WNW	1.4	3.2	2.5	.5								7.6	6.2
NW	1.3	2.5	3.0	.8	.1							7.6	6.6
NNW	.9	3.2	2.4	.8	.8	.1						8.1	8.0
VARBL													
CALM												22.7	
	21.0	23.2	18.8	10.2	2.9	1.0	.2					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 STATION MARCH AFB CA/RIVERSIDE 50-70.73-77 YEARS DEC MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	1.4	2.4	.4	.3	.1					7.3	10.0
NNE	1.0	1.2	1.4	.1								3.7	5.9
NE	.4	2.0	1.6	1.3	.1							5.7	7.9
ENE	1.1	2.3	2.5	1.2	.1							7.1	7.3
E	.4	.9	2.4	1.7	.4	.1						5.9	10.0
ESE	.4		.4									.9	5.4
SE	.2	.3	.1	.2								.9	6.6
SSE	.4	.9	.2									1.5	4.4
S	.1	1.5	.6									2.3	5.6
SSW	.4	.3	.2									1.0	4.4
SW	.2	.2	.2									.6	5.2
WSW	.6	.2	.2	.1								1.2	4.5
W	2.0	2.3	.9	.2								5.4	4.7
WNW	2.3	6.0	2.8	.2								11.3	5.2
NW	3.7	11.0	5.5	.3	.1							20.6	5.5
NNW	2.3	4.0	3.0	1.2	.6	.3						11.4	7.6
VARBL													
CALM												13.3	
	16.7	34.7	23.7	8.9	1.8	.8	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 926

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH 1FB CA/RIVERSIDE  
STATION NAME

60-70, 73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.7	1.4	.9	.3							7.4	5.9
NNE	1.1	2.5	1.5	1.0		.1						6.1	6.9
NE	.9	.8	2.2	.6								4.4	7.3
ENE	.8	1.2	1.1	.6	.2							3.9	7.3
E	.5	.8	.5	.6	.1							2.6	7.9
ESE	.2	.6	.3									1.2	5.4
SE	.3	.9	.1									1.3	4.3
SSE	.8	1.0	.5	.1								2.4	5.0
S	.8	.8	.2									1.7	4.1
SSW	.4	.2										.6	3.2
SW	.1	.2										.3	3.7
WSW	.6	.5	.1									1.3	3.7
W	1.2	1.3	.1									2.9	3.7
WNW	4.5	1.6	.5	.1								6.8	3.6
NW	3.5	2.9	.4	.1								6.9	3.9
NNW	2.9	2.6	1.1	.3	.2							7.1	5.0
VARBL													
CALM												42.9	
	22.0	19.5	10.1	4.4	.9	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

927

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119 MARCH AFB CA/RIVERSIDE

66-70, 73-77

DEC

ALL WEATHER

2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.4	1.1	.2	.2	.1						5.5	6.0
NNE	.9	1.2	1.1	.3	.2							3.9	7.2
NE	1.3	1.2	.8	.8	.1							4.1	6.4
ENE	.4	1.2	.4	.1		.1						2.3	6.5
E	.9	.5	.4	.0	.2	.1						2.8	8.2
ESE	.3	.8	.4									1.5	5.1
SE	.9	1.2	.4	.3								2.8	5.5
SSE	1.4	.9	.2	.3								2.2	4.4
S	1.6	.9	.2									2.7	3.3
SSW	.3	.3										.6	3.5
SW	1.1	.3										1.4	2.6
WSW	.5	.2										.8	2.6
W	1.3	.5										2.5	2.6
WNW	1.6	.8	.2									2.6	3.5
NW	2.5	1.7	.2									4.4	3.5
NNW	1.4	1.2	.2	.2	.2							3.2	5.2
VARBL	.1											.1	3.0
CALM												56.0	
	18.7	15.2	5.7	3.1	1.0	.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

50-70,73-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T)

CHARACTER

SPEED (KNTS. DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	1.6	1.6	1.0	.9	.3	.2	.1					5.7	8.0
NNE	.9	1.2	1.0	.3	.1	.0	.0					3.5	6.3
NE	.5	1.0	1.0	.6	.1	.0						3.9	7.6
ENE	.7	1.0	1.1	.6	.1	.0						3.5	7.7
E	.9	.8	1.1	.9	.2	.1						4.0	8.3
ESE	.8	.6	.3	.1	.0	.0						1.9	4.7
SE	1.4	1.2	.4	.1	.0							3.1	4.5
SSE	1.9	1.5	.5	.1	.0							4.0	4.2
S	1.6	1.1	.5	.0	.0							3.2	4.1
SSW	.7	.3	.1									1.1	3.4
SW	.5	.3	.0	.0								.2	3.4
WSW	.3	.2	.1	.0								.8	3.4
W	1.1	.9	.3	.1								2.4	4.1
WNW	1.3	1.7	.9	.1								4.4	4.7
NW	1.9	2.7	1.3	.2	.0	.5						6.1	5.1
NNW	1.5	2.0	1.0	.5	.3	.1						5.2	4.5
VARBL	.0											.0	3.0
CALM												46.4	
	18.5	16.0	10.5	4.4	1.2	.5	.1					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

7432

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-78  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.5	.8	.4	.2	.1	.0					4.3	6.4
NNE	.7	.6	.4	.1	.0	.0	.0					1.9	5.3
NE	.6	.5	.4	.2	.0	.0						1.7	6.3
ENE	.4	.4	.4	.3	.0	.0						1.5	7.1
E	.7	.5	.5	.4	.1	.0	.0					2.3	7.3
ESE	.7	.5	.2	.1	.0	.0						1.5	4.8
SE	1.2	1.1	.4	.1	.0	.0						2.9	4.5
SSE	1.4	1.6	.6	.2	.0	.0						3.8	4.8
S	1.5	1.2	.6	.2	.0	.0						3.6	4.9
SSW	.5	.3	.1	.1	.0							1.0	4.3
SW	.5	.2	.1	.0	.0							.7	3.7
WSW	.3	.2	.1	.0	.0							.7	4.3
W	1.1	1.0	.6	.1	.0	.0						2.8	5.0
WNW	1.8	2.6	3.1	.8	.0							8.4	6.4
NW	2.6	4.5	5.6	1.8	.0	.0	.0					14.5	6.8
NNW	1.8	2.5	2.2	.8	.1	.0	.0					7.5	6.5
VARBL	.0											.0	3.0
CALM												41.1	
	17.2	19.1	16.1	5.8	.6	.1	.0					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

87621

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-78  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
HOURS (L S T.)

CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,  
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI w/ CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.8	.3	.0								2.4	3.8
NNE	.6	.2	.0	.0								.7	2.8
NE	.5	.2	.0									.7	3.0
ENE	.3	.1	.0	.0		.0						.5	4.2
E	.6	.2	.1	.1	.0	.0						1.1	4.8
ESE	.7	.4	.2	.0	.0							1.3	4.0
SE	1.4	1.3	.7	.3	.0							3.6	5.2
SSE	1.9	2.2	.9	.4	.0							5.4	5.1
S	2.1	1.6	.6	.4	.0	.0						4.8	5.0
SSW	.5	.2	.0	.0								.7	3.4
SW	.4	.1	.0									.5	3.0
WSW	.3	.1	.0	.0								.4	3.5
W	1.2	.8	.4	.0	.0							2.4	4.1
WNW	2.5	3.1	3.1	.4	.0							9.1	5.7
NW	3.6	4.9	4.7	.8	.0							14.1	5.9
NNW	2.1	2.4	1.4	.3	.0							6.2	5.2
VARBL													
CALM												46.0	
	19.8	18.6	12.7	2.8	.1	.0						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 13430

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	49.6	56.6	58.0	59.4	60.1	60.6	61.4	62.0	62.4	62.9	64.0	64.0	64.6	65.1	65.3	67.2
≥ 20000	51.8	59.0	60.4	61.8	62.6	63.4	64.2	64.8	65.2	65.7	66.8	66.8	67.4	67.8	68.1	70.0
≥ 8000	51.9	59.1	60.5	61.9	62.7	63.5	64.3	64.9	65.3	65.8	66.9	66.9	67.5	68.0	68.2	70.1
≥ 6000	51.9	59.1	61.0	62.5	63.2	64.1	64.8	65.5	65.8	66.3	67.4	67.4	68.1	68.5	68.7	70.6
≥ 4000	52.2	59.4	61.2	62.7	63.4	64.3	65.1	65.7	66.0	66.6	67.6	67.6	68.3	68.7	68.9	70.9
≥ 12000	52.6	59.8	61.6	63.1	63.9	64.7	65.5	66.1	66.5	67.0	68.1	68.1	68.7	69.1	69.4	71.3
≥ 6000	53.4	60.6	62.7	64.2	64.9	65.8	66.7	67.4	67.8	68.4	69.5	69.5	70.1	70.5	70.8	72.7
≥ 9000	53.5	60.8	62.8	64.3	65.1	65.9	66.8	67.5	68.0	68.5	69.6	69.6	70.2	70.6	70.9	72.8
≥ 5000	53.9	61.3	63.5	65.4	66.1	67.0	67.8	68.6	69.0	69.6	70.6	70.6	71.3	71.7	71.9	73.9
≥ 7000	53.9	61.3	63.5	65.4	66.1	67.0	67.8	68.9	69.4	69.9	71.0	71.0	71.6	72.0	72.3	74.2
≥ 6000	54.1	61.5	63.8	65.6	66.3	67.2	68.3	69.4	69.8	70.3	71.4	71.4	72.0	72.5	72.7	74.6
≥ 5000	54.3	61.8	64.2	66.1	66.9	67.7	68.8	69.9	70.4	71.2	72.3	72.3	72.9	73.3	73.5	75.5
≥ 4500	54.3	61.8	64.2	66.1	66.9	67.8	68.9	70.0	70.5	71.3	72.4	72.4	73.0	73.4	73.7	75.6
≥ 4000	55.7	63.5	66.0	68.1	69.0	70.0	71.1	72.2	72.7	73.4	74.5	74.5	75.2	75.6	75.9	77.8
IV 3500	56.6	64.8	67.3	69.5	70.5	71.5	72.6	73.8	74.3	75.1	76.1	76.1	76.8	77.2	77.5	79.5
IV 3000	57.4	66.5	69.2	71.4	72.5	73.4	74.5	75.7	76.2	77.0	78.1	78.1	78.7	79.1	79.5	81.4
≥ 2500	58.2	68.0	71.4	73.5	74.7	75.7	76.8	78.1	78.6	79.4	80.4	80.4	81.1	81.5	81.8	83.8
≥ 2000	58.4	68.6	72.0	74.3	76.0	77.0	78.5	79.8	80.3	81.1	82.3	82.3	83.0	83.4	83.8	85.7
≥ 1800	58.5	68.8	72.3	74.6	76.3	77.3	78.9	80.3	80.9	81.6	82.9	82.9	83.7	84.1	84.4	86.3
≥ 1500	58.7	69.9	73.4	75.9	77.7	78.7	80.4	81.9	82.5	83.2	84.5	84.5	85.3	85.7	86.0	88.0
IV 1200	58.9	70.4	74.3	77.2	79.5	80.5	82.3	83.8	84.3	85.2	86.6	86.6	87.3	87.7	88.1	90.0
IV 1000	59.0	70.9	74.7	77.8	80.1	81.3	83.0	84.5	85.1	85.9	87.3	87.3	88.1	88.5	88.8	90.8
IV 900	59.0	71.2	75.1	78.3	80.8	81.9	83.9	85.4	86.1	87.2	88.6	88.6	89.4	89.8	90.1	92.0
IV 800	59.0	71.4	75.3	78.5	81.1	82.3	84.2	85.7	86.5	87.5	88.9	88.9	89.8	90.2	90.5	92.5
IV 700	59.0	71.5	75.5	78.7	81.3	82.5	84.4	85.9	86.7	87.7	89.2	89.4	90.1	90.5	90.9	92.8
IV 600	59.0	71.5	75.5	78.7	81.3	82.6	84.5	86.1	87.1	88.2	89.7	89.8	90.5	91.1	91.4	93.4
IV 500	59.0	71.5	75.5	79.0	82.2	83.8	85.7	87.3	88.3	89.4	90.9	91.1	91.9	92.5	92.8	94.8
IV 400	59.0	71.5	75.5	79.1	82.7	84.3	86.2	88.0	89.0	90.1	91.6	91.8	92.7	93.2	93.5	95.6
IV 300	59.0	71.5	75.5	79.1	82.7	84.3	86.2	88.1	89.6	90.9	92.6	92.8	93.7	94.3	94.9	97.1
IV 200	59.0	71.5	75.5	79.1	82.7	84.3	86.2	88.1	89.6	90.9	92.8	93.0	94.1	94.7	95.6	98.2
IV 100	59.0	71.5	75.5	79.1	82.7	84.3	86.2	88.1	89.7	91.0	92.9	93.1	94.4	95.1	95.9	98.5
IV 0	59.0	71.5	75.5	79.1	82.7	84.3	86.2	88.1	89.7	91.0	92.9	93.1	94.4	95.1	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23113 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
NO CEILING	51.3	58.1	59.9	60.0	61.9	62.8	63.3	63.9	63.9	64.0	64.5	64.5	64.8	64.8	64.9	67.2
≥ 20000	52.9	59.9	61.7	62.5	63.8	64.9	65.7	66.2	66.2	66.3	66.9	66.9	67.2	67.2	67.3	69.6
≥ 18000	52.9	60.2	62.0	62.8	64.1	65.3	66.0	66.6	66.6	66.7	67.2	67.2	67.5	67.5	67.6	69.9
≥ 16000	52.9	60.2	62.2	62.9	64.3	65.5	66.2	66.8	66.8	66.9	67.4	67.4	67.7	67.7	67.8	70.1
≥ 14000	53.1	60.4	62.6	63.3	64.7	65.9	66.7	67.2	67.2	67.3	67.8	67.8	68.2	68.2	68.3	70.6
≥ 12000	53.3	60.6	62.8	63.5	64.9	66.1	66.9	67.5	67.5	67.6	68.2	68.2	68.5	68.5	68.6	71.0
≥ 10000	54.2	61.5	63.7	64.4	65.8	67.0	67.7	68.8	68.8	68.9	69.5	69.5	69.8	69.8	69.9	72.3
≥ 8000	54.6	61.9	64.2	64.9	66.3	67.5	68.3	69.4	69.4	69.5	70.0	70.0	70.3	70.3	70.4	72.8
≥ 6000	54.8	62.5	64.7	65.5	66.9	68.1	68.8	69.9	69.9	70.0	70.5	70.5	70.9	70.9	71.0	73.3
≥ 4000	54.8	62.5	64.7	65.5	66.9	68.1	68.8	69.9	69.9	70.0	70.5	70.5	70.9	70.9	71.0	73.3
≥ 3000	54.8	62.6	65.1	65.8	67.2	68.4	69.1	70.2	70.2	70.3	70.9	70.9	71.2	71.2	71.3	73.7
≥ 2500	55.3	63.1	65.6	66.3	67.7	68.9	69.7	70.8	70.9	71.1	71.6	71.6	71.9	71.9	72.0	74.4
≥ 2000	55.5	63.3	65.8	66.6	68.0	69.2	70.0	71.1	71.2	71.4	71.9	71.9	72.3	72.3	72.4	74.7
≥ 1800	55.9	64.3	67.0	68.0	69.0	70.9	71.6	72.7	72.8	73.0	73.5	73.5	73.9	73.9	74.0	76.3
≥ 1600	56.3	65.1	67.7	68.7	70.4	71.7	72.5	73.7	73.8	74.0	74.5	74.5	74.8	74.8	74.9	77.3
≥ 1400	56.7	65.5	68.3	69.2	71.2	72.5	73.2	74.4	74.6	74.8	75.4	75.4	75.7	75.7	75.8	78.2
≥ 1200	57.4	66.7	69.5	70.4	72.5	73.8	74.5	75.7	75.9	76.1	76.7	76.7	77.0	77.0	77.1	79.5
≥ 1000	57.7	67.3	70.2	71.4	73.9	75.2	76.2	77.6	77.8	78.1	78.6	78.6	78.9	78.9	79.1	81.5
≥ 800	57.8	67.5	70.5	71.7	74.2	75.5	76.6	78.0	78.2	78.4	78.9	78.9	79.2	79.2	79.5	81.8
≥ 600	58.1	68.5	71.5	72.9	75.0	76.9	78.1	79.5	79.8	80.1	80.6	80.6	81.0	81.0	81.2	83.5
≥ 400	58.4	68.8	72.2	74.2	77.2	78.6	79.8	81.2	81.6	82.0	82.6	82.6	82.9	82.9	83.1	85.5
≥ 300	58.5	69.6	73.0	75.1	78.3	79.6	80.8	82.2	82.6	83.0	83.7	83.7	84.0	84.3	84.5	86.9
≥ 200	58.5	69.7	73.1	75.2	78.6	79.9	81.1	82.5	82.9	83.3	84.1	84.1	84.4	84.7	84.9	87.3
≥ 100	58.6	69.8	73.3	75.4	78.9	80.3	81.6	83.0	83.4	84.0	84.7	84.7	85.1	85.4	85.5	88.0
≥ 500	58.8	70.2	73.8	75.9	79.5	81.0	82.4	83.8	84.2	84.7	85.5	85.5	85.8	86.1	86.3	88.7
≥ 400	58.8	70.3	73.9	76.2	79.9	82.0	83.5	84.9	85.5	86.2	87.0	87.0	87.4	87.7	88.0	90.3
≥ 300	58.8	70.4	74.0	76.5	80.3	83.0	84.5	85.9	86.6	87.3	88.3	88.3	88.7	89.0	89.2	91.6
≥ 200	58.8	70.5	74.1	76.6	80.4	83.1	84.6	86.3	87.3	88.1	89.2	89.2	89.7	90.0	90.2	92.7
≥ 100	58.8	70.5	74.2	76.7	80.5	83.2	84.8	86.8	87.8	88.6	89.9	89.9	90.4	90.9	91.3	94.2
≥ 0	58.8	70.5	74.2	76.7	80.5	83.3	84.9	87.0	88.1	88.9	90.2	90.2	90.8	91.3	92.2	96.7
≥ 0	58.8	70.5	74.2	76.7	80.5	83.3	84.9	87.0	88.1	88.9	90.2	90.2	90.8	91.3	92.2	97.2
≥ 0	58.8	70.5	74.2	76.7	80.5	83.3	84.9	87.0	88.1	88.9	90.2	90.2	90.8	91.3	92.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2-119 MARCH AFB CA/RIVERSIDE

67-70, 73-73

JAL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO. ELEV.	51.7	55.1	55.7	56.3	57.7	58.3	58.5	59.0	59.1	59.4	59.9	59.9	60.8	60.8	61.2	63.5
2-1000	55.1	58.5	59.1	59.8	61.2	61.8	62.2	62.8	62.9	63.2	63.8	63.8	64.6	64.6	65.1	67.4
2-800	55.3	58.7	59.4	60.0	61.4	62.0	62.4	63.0	63.1	63.4	64.0	64.0	64.8	64.8	65.3	67.6
2-600	55.3	58.7	59.4	60.0	61.4	62.2	62.5	63.1	63.2	63.5	64.1	64.1	64.9	64.9	65.4	67.7
2-400	55.4	58.8	59.6	60.2	61.6	62.4	62.7	63.3	63.4	63.8	64.4	64.4	65.3	65.3	65.7	68.1
2-200	56.3	59.8	60.5	61.2	62.7	63.4	63.8	64.4	64.8	65.4	66.2	66.2	67.1	67.2	67.6	70.0
2-100	57.2	60.8	61.7	62.5	64.0	64.7	65.3	65.9	66.3	66.9	67.8	67.8	68.7	68.8	69.2	71.6
2-500	57.8	61.4	62.4	63.1	64.6	65.4	65.9	66.6	67.0	67.5	68.5	68.5	69.4	69.5	69.9	72.3
2-300	58.4	61.9	63.0	63.8	65.3	66.0	66.6	67.3	67.7	68.3	69.2	69.2	70.1	70.2	70.6	73.1
2-100	58.5	62.0	63.1	63.9	65.4	66.1	66.7	67.4	67.8	68.4	69.4	69.4	70.2	70.3	70.8	73.2
2-800	58.6	62.5	63.5	64.3	65.8	66.6	67.1	67.8	68.3	68.8	69.8	69.8	70.6	70.8	71.2	73.7
2-600	59.0	62.9	64.0	64.7	66.5	67.2	67.7	68.5	68.9	69.5	70.4	70.4	71.3	71.4	71.9	74.4
2-400	59.4	63.2	64.3	65.1	66.8	67.5	68.1	68.8	69.4	69.9	70.9	70.9	71.7	71.8	72.4	74.8
2-200	60.1	64.4	65.8	66.6	68.4	69.4	69.9	70.6	71.2	71.7	72.7	72.7	73.7	73.6	74.3	76.8
2-100	60.5	64.8	66.2	67.0	68.9	69.9	70.4	71.4	71.9	72.5	73.4	73.4	74.4	74.5	75.1	77.7
2-500	61.0	65.5	67.1	68.0	70.2	71.2	71.7	72.7	73.2	73.6	74.7	74.7	75.7	75.8	76.5	79.1
2-300	61.9	66.5	68.1	68.9	71.3	72.4	73.2	74.2	74.7	75.3	76.2	76.2	77.2	77.3	78.0	80.6
2-100	62.4	67.1	68.7	69.8	72.3	73.4	74.3	75.4	75.9	76.5	77.4	77.4	78.4	78.6	79.2	81.9
IV 500	62.5	67.4	69.0	70.3	72.9	74.1	74.9	76.0	76.6	77.1	78.1	78.1	79.0	79.2	79.9	82.6
IV 500	62.6	68.0	69.7	71.2	74.0	75.4	76.5	77.6	78.2	78.7	79.7	79.7	80.6	80.9	81.5	84.2
IV 200	62.8	68.4	70.1	71.6	74.6	76.0	77.1	78.4	79.0	79.6	81.0	81.0	81.9	82.2	82.8	85.7
IV 200	63.0	68.8	71.0	73.0	76.2	78.1	79.1	80.4	81.2	81.7	83.1	83.1	84.2	84.5	85.2	88.1
IV 900	63.0	68.8	71.0	73.0	76.6	78.4	79.5	80.8	81.5	82.2	83.5	83.5	84.6	84.9	85.6	88.6
IV 500	63.0	68.8	71.0	73.1	76.7	78.5	79.6	81.0	81.8	82.6	84.0	84.0	85.1	85.4	86.0	89.0
IV 700	63.1	69.0	71.3	73.4	77.1	78.9	80.0	81.4	82.3	83.0	84.4	84.4	85.5	85.8	86.5	89.5
IV 600	63.1	69.0	71.3	73.5	77.3	79.1	80.3	82.0	82.9	83.7	85.1	85.1	86.1	86.5	87.2	90.2
IV 500	63.1	69.0	71.4	73.8	77.7	79.7	81.1	83.1	84.0	84.9	86.8	86.8	87.8	88.4	89.1	92.2
IV 400	63.1	69.0	71.4	73.8	77.7	79.8	81.2	83.3	84.2	85.4	87.3	87.3	88.5	89.1	89.9	93.1
IV 300	63.1	69.0	71.4	73.8	77.7	79.9	81.5	84.2	85.3	86.6	88.6	88.6	89.8	90.1	91.0	95.3
IV 200	63.1	69.0	71.4	73.8	77.8	80.0	81.6	84.3	85.4	86.7	88.8	88.8	89.0	90.4	91.3	92.6
IV 100	63.1	69.0	71.4	73.8	77.8	80.0	81.6	84.3	85.4	86.7	88.8	88.8	89.0	90.5	91.4	92.7
IV 100	63.1	69.0	71.4	73.8	77.8	80.0	81.6	84.3	85.4	86.7	88.8	88.8	89.0	90.5	91.4	92.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23114 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

NO. OF NO.		20	24	25	24	20	20	20	20	20	20	20	20	20	20	20	20
2 2000	54.6	57.7	58.4	59.4	60.1	61.0	61.5	62.3	62.3	62.8	63.1	63.1	63.2	63.4	63.8	64.2	
2 1800	58.9	62.4	63.0	64.0	64.7	65.6	66.2	67.0	67.0	67.5	67.8	67.8	68.0	68.2	68.5	68.9	
2 1600	59.6	63.0	63.7	64.5	65.4	66.2	66.9	67.6	67.6	68.2	68.5	68.5	68.6	68.8	69.1	69.6	
2 1400	59.7	63.1	63.8	64.7	65.6	66.5	67.1	68.0	68.0	68.5	68.8	68.8	68.9	69.1	69.5	69.9	
2 1200	60.5	64.0	64.6	65.6	66.5	67.3	68.0	68.8	68.8	69.4	69.7	69.7	69.8	70.0	70.3	70.8	
2 1000	61.8	65.3	65.9	67.0	68.1	69.0	69.7	70.8	70.8	71.3	71.6	71.6	71.7	71.9	72.3	72.8	
2 0800	63.0	66.7	67.5	68.7	69.8	70.8	71.4	72.5	72.5	73.0	73.3	73.3	73.4	73.7	74.0	74.5	
2 0600	63.7	67.4	68.3	69.5	70.5	71.5	72.2	73.2	73.2	73.8	74.1	74.1	74.2	74.4	74.7	75.3	
2 0400	64.1	68.0	68.8	70.0	71.5	72.5	73.2	74.4	74.4	74.9	75.3	75.3	75.4	75.6	75.9	76.5	
2 0200	64.7	68.6	69.5	70.8	72.3	73.2	74.0	75.2	75.2	75.7	76.0	76.0	76.1	76.3	76.7	77.2	
2 0000	64.7	68.7	69.6	71.1	72.7	73.7	74.4	75.6	75.6	76.1	76.5	76.5	76.6	76.8	77.1	77.6	
2 2200	65.1	69.2	70.1	71.5	73.3	74.3	75.1	76.2	76.2	76.8	77.1	77.1	77.2	77.4	77.7	78.3	
2 2000	65.2	69.5	70.3	71.8	73.5	74.5	75.3	76.5	76.5	77.0	77.3	77.3	77.4	77.7	78.1	78.7	
2 1800	66.0	71.0	71.8	73.3	75.3	76.2	77.0	78.2	78.2	78.7	79.0	79.0	79.1	79.5	79.8	80.4	
2 1600	67.2	71.7	72.7	74.4	76.3	77.3	78.2	79.4	79.4	79.9	80.2	80.2	80.3	80.6	81.0	81.6	
2 1400	68.1	73.0	74.3	76.1	78.2	79.1	80.0	81.3	81.3	81.8	82.2	82.2	82.3	82.6	82.9	83.5	
2 1200	68.8	74.1	75.5	77.3	79.0	80.5	81.6	83.2	83.2	83.8	84.1	84.1	84.2	84.5	84.8	85.5	
2 1000	69.1	74.7	76.1	78.2	80.5	81.6	82.7	84.2	84.3	84.9	85.3	85.3	85.4	85.7	86.0	86.7	
2 0800	69.4	75.3	76.7	79.0	81.5	82.6	83.7	85.2	85.3	85.9	86.2	86.2	86.5	86.8	87.1	87.7	
2 0600	70.2	76.2	77.6	80.4	83.0	84.3	85.4	87.0	87.1	87.7	88.1	88.1	88.3	88.7	89.0	89.7	
2 0400	70.6	77.0	78.7	81.7	84.6	86.0	87.3	88.9	89.1	89.8	90.1	90.1	90.3	90.8	91.1	91.7	
2 0200	71.1	77.7	79.6	82.7	85.7	87.3	88.6	90.3	90.5	91.2	91.5	91.5	91.7	92.2	92.5	93.1	
2 0000	71.3	78.3	80.1	83.3	86.3	88.1	89.4	91.1	91.3	91.9	92.4	92.4	92.6	93.0	93.3	94.0	
2 2200	71.4	78.4	80.2	83.4	86.5	88.3	89.7	91.5	91.8	92.5	93.0	93.0	93.2	93.7	94.0	94.6	
2 2000	71.5	78.5	80.3	83.5	86.6	88.4	89.8	91.6	91.9	92.6	93.1	93.1	93.4	94.0	94.3	94.9	
2 1800	71.5	78.8	80.9	84.3	87.4	89.2	90.8	92.6	92.9	93.5	94.1	94.1	94.4	94.9	95.3	95.9	
2 1600	71.5	78.8	80.9	84.4	87.8	89.8	91.4	93.4	93.8	94.5	95.2	95.2	95.5	96.0	96.3	97.0	
2 1400	71.5	78.8	80.9	84.4	87.8	89.8	91.5	93.7	94.0	94.8	95.6	95.6	95.9	96.6	96.9	97.5	
2 1200	71.5	78.9	81.0	84.5	88.0	89.9	91.7	93.9	94.2	95.1	96.0	96.1	96.7	97.4	98.0	98.6	
2 1000	71.5	78.9	81.0	84.5	88.0	89.9	91.7	93.9	94.2	95.1	96.0	96.1	96.7	97.5	98.1	98.8	
2 0800	71.5	78.9	81.0	84.5	88.0	89.9	91.7	93.9	94.2	95.1	96.0	96.1	96.8	97.6	98.2	99.1	
2 0600	71.5	78.9	81.0	84.5	88.0	89.9	91.7	93.9	94.2	95.1	96.0	96.1	96.8	97.6	98.3	99.0	

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
JSAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23117 MARCH AFS CA/RIVERSIDE

7-70, 73-78

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
20000	56.8	59.9	61.1	61.9	63.4	63.8	64.1	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
18000	61.9	65.2	66.3	67.2	68.7	69.0	69.4	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.9
16000	62.3	65.6	66.8	67.6	69.1	69.5	69.8	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.3
14000	62.6	66.1	67.3	68.2	69.7	70.0	70.3	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.9
12000	63.9	67.4	68.6	69.5	71.2	71.6	71.9	72.0	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.6
10000	64.6	68.5	69.8	70.9	72.7	73.1	73.4	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.2
8000	65.3	69.2	70.8	72.0	73.9	74.4	74.8	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.6
6000	65.6	69.6	71.1	72.4	74.2	74.7	75.2	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.9
4000	66.2	70.3	71.9	73.4	75.4	75.9	76.3	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.1
2000	66.6	70.9	72.5	74.0	75.9	76.5	76.9	77.1	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.6
1000	67.3	71.7	73.3	74.8	76.8	77.3	77.7	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.5
500	67.4	71.8	73.5	75.1	77.1	77.6	78.1	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.8
250	68.1	72.5	74.2	75.7	77.7	78.3	78.7	78.9	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.5
100	69.6	74.7	76.5	78.1	80.1	80.6	81.1	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.8
50	71.7	77.2	79.6	81.2	83.2	83.8	84.2	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.9
25	73.4	80.2	81.9	83.5	85.6	86.1	86.7	86.9	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.4
10	74.6	81.6	83.4	85.1	87.1	87.6	88.2	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.9
5	75.9	83.4	85.6	87.3	89.6	90.5	91.2	91.4	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.9
2	76.0	83.5	85.7	87.4	89.7	90.6	91.3	91.5	91.5	91.9	91.9	91.9	91.9	91.9	91.9	92.0
1	77.3	85.4	87.6	89.4	91.7	92.8	93.4	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.2
0.5	78.3	86.5	88.7	90.8	93.3	94.4	95.3	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	96.0
0.25	78.6	86.8	89.0	91.2	93.8	94.9	95.8	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.8
0.1	78.8	87.0	89.2	91.5	94.1	95.3	96.1	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.1
0.05	79.0	87.4	89.6	92.2	94.7	96.0	97.1	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.1
0.025	79.0	87.6	90.0	92.4	95.1	96.3	97.4	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.4
0.01	79.0	87.6	90.0	92.4	95.1	96.3	97.5	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.6
0.005	79.0	87.6	90.0	92.4	95.1	96.3	97.5	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.7
0.0025	79.0	87.6	90.0	92.4	95.3	96.6	97.7	98.4	98.4	99.1	99.2	99.5	99.5	99.6	99.8	99.9
0.001	79.0	87.6	90.0	92.4	95.3	96.6	97.7	98.4	98.4	99.1	99.2	99.5	99.5	99.6	99.8	99.9
0.0005	79.0	87.6	90.0	92.4	95.3	96.6	97.7	98.4	98.4	99.1	99.2	99.5	99.5	99.6	99.8	99.9
0.00025	79.0	87.6	90.0	92.4	95.3	96.6	97.7	98.4	98.4	99.1	99.2	99.5	99.5	99.6	99.8	99.9
0.0001	79.0	87.6	90.0	92.4	95.3	96.6	97.7	98.4	98.4	99.1	99.2	99.5	99.5	99.6	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23115 MARCH APR CA/RIVERSIDE

7-70, 73-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
2000	54.3	57.9	59.7	60.6	62.4	63.8	65.2	65.7	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
1800	58.3	62.3	64.3	65.1	67.0	68.4	67.8	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4
1600	58.8	62.9	64.8	65.8	67.6	69.0	70.4	70.9	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2
1400	59.0	63.1	65.0	66.1	67.9	69.3	71.7	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
1200	59.8	64.0	66.0	67.1	69.1	70.6	72.1	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
1000	61.0	65.8	68.0	69.2	71.3	72.9	74.4	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
800	61.9	67.1	69.4	70.7	73.0	74.6	76.4	77.1	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
600	62.4	67.6	70.0	71.3	73.5	75.1	77.0	77.6	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
400	62.9	68.2	70.6	72.1	74.5	76.1	77.9	78.6	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
200	62.9	68.4	70.7	72.2	74.6	76.2	78.0	78.7	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
100	63.3	69.1	71.6	73.1	75.5	77.1	78.9	79.5	79.7	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
50	63.8	69.9	72.3	73.8	76.3	77.9	79.8	80.4	80.5	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
25	64.9	71.0	73.5	75.0	77.5	79.1	80.9	81.6	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
12.5	66.8	73.3	75.8	77.5	80.0	81.6	83.4	84.1	84.2	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7
6.25	68.4	75.8	78.5	80.2	82.8	84.4	86.2	86.9	87.0	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5
3.125	69.6	77.6	80.8	82.9	85.5	87.1	88.9	89.6	89.7	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3
1.5625	71.4	79.4	82.7	84.8	87.5	89.1	91.0	91.6	91.9	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
0.78125	71.9	80.5	83.9	86.2	89.1	90.9	92.7	93.3	93.6	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
0.390625	72.0	80.8	84.2	86.5	89.5	91.3	93.2	93.9	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
0.1953125	72.2	81.2	84.5	87.0	89.9	91.7	93.6	94.3	94.6	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
0.09765625	72.2	81.5	84.9	87.5	90.5	92.7	94.6	95.3	95.6	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4
0.048828125	72.3	81.7	85.1	87.8	90.9	93.1	95.2	95.8	96.1	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1
0.0244140625	72.3	81.7	85.1	87.8	90.9	93.1	95.4	96.0	96.3	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
0.01220703125	72.4	82.0	85.6	88.3	91.3	93.5	95.8	96.4	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
0.006103515625	72.4	82.0	85.6	88.4	91.6	93.9	96.1	96.8	97.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
0.0030517578125	72.4	82.0	85.6	88.4	91.6	93.9	96.3	97.0	97.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6
0.00152587890625	72.4	82.0	85.6	88.5	91.7	94.0	96.4	97.1	97.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
0.000762939453125	72.4	82.1	85.7	88.6	92.0	94.4	96.9	97.5	98.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
0.0003814697265625	72.4	82.1	85.8	88.7	92.1	94.5	97.0	97.6	98.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
0.00019073486328125	72.4	82.1	85.8	88.7	92.1	94.5	97.0	97.6	98.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
0.000095367431640625	72.4	82.1	85.8	88.7	92.1	94.5	97.0	97.6	98.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
0.0000476837158203125	72.4	82.1	85.8	88.7	92.1	94.5	97.0	97.6	98.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23112 MARCH AFB CA/RIVERSIDE

67-70273-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-2000

		VISIBILITY - STATUTE MILES																			
		2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
IV	1000	52.6	59.8	62.2	64.4	66.2	67.4	68.2	68.7	69.5	70.0	70.1	70.2	70.2	70.3	70.3					
IV	900	55.8	62.2	65.5	67.7	69.7	70.9	71.6	72.2	72.2	72.9	73.4	73.5	73.7	73.7	73.8	73.8				
IV	800	55.8	62.2	65.5	67.7	69.7	70.9	71.6	72.2	72.2	73.1	73.7	73.8	73.9	73.9	74.0	74.0				
IV	700	55.8	62.2	65.5	67.7	69.7	70.9	71.6	72.2	72.2	73.1	73.7	73.8	73.9	73.9	74.0	74.0				
IV	600	56.3	62.9	66.3	68.5	70.5	71.7	72.5	73.1	73.1	74.1	74.6	74.7	74.8	74.8	74.9	74.9				
IV	500	57.1	64.4	68.0	70.3	72.5	73.9	74.6	75.3	75.3	76.2	76.8	76.9	77.0	77.0	77.1	77.1				
IV	400	57.2	64.8	68.4	70.9	73.0	74.6	75.6	76.2	76.2	77.2	77.7	77.8	78.0	78.0	78.1	78.1				
IV	300	57.2	64.8	68.4	70.9	73.0	74.6	75.6	76.2	76.2	77.2	77.7	77.8	78.0	78.0	78.1	78.1				
IV	200	58.3	66.1	69.8	72.5	74.6	76.2	77.3	78.2	78.2	79.1	79.7	79.8	79.9	79.9	80.0	80.0				
IV	100	58.4	66.2	69.9	72.6	74.7	76.3	77.4	78.3	78.3	79.2	79.8	79.9	80.0	80.0	80.1	80.1				
IV	800	58.8	66.7	70.3	73.0	75.2	76.8	78.0	78.8	78.8	79.8	80.3	80.4	80.5	80.5	80.6	80.6				
IV	700	59.1	67.3	71.0	73.7	75.8	77.4	78.6	79.5	79.5	80.4	81.0	81.1	81.2	81.2	81.3	81.3				
IV	600	59.7	68.1	71.7	74.4	76.6	78.2	79.4	80.2	80.2	81.2	81.7	81.8	81.9	81.9	82.0	82.0				
IV	500	60.8	69.4	73.0	75.8	78.0	79.6	81.6	81.6	82.6	83.2	83.3	83.4	83.4	83.5	83.5					
IV	400	61.3	70.2	74.0	77.0	79.2	80.9	82.2	83.0	83.0	84.0	84.6	84.7	84.8	84.8	84.9	84.9				
IV	300	62.4	72.5	76.9	80.6	82.9	84.5	85.8	86.7	86.7	87.6	88.4	88.5	88.6	88.6	88.7	88.7				
IV	200	63.1	73.9	78.5	82.4	84.6	86.2	87.5	88.4	88.6	89.6	90.3	90.4	90.5	90.5	90.6	90.6				
IV	100	63.3	74.9	79.9	83.9	86.2	87.8	89.1	90.0	90.2	91.2	91.9	92.0	92.2	92.2	92.3	92.3				
IV	800	63.3	75.3	80.2	84.2	86.6	88.3	89.6	90.4	90.6	91.6	92.4	92.5	92.6	92.6	92.7	92.7				
IV	700	63.5	75.7	80.9	85.2	87.8	89.7	91.0	91.8	92.0	93.3	94.1	94.2	94.3	94.3	94.4	94.4				
IV	600	63.8	76.7	82.2	86.7	89.4	91.3	92.6	93.4	93.7	95.1	95.8	95.9	96.0	96.0	96.1	96.1				
IV	500	63.8	76.8	82.6	87.1	89.8	91.7	93.3	94.2	94.4	95.8	96.7	96.8	96.9	96.9	97.0	97.0				
IV	400	63.8	76.8	82.6	87.1	89.8	91.7	93.3	94.2	94.4	95.8	96.7	96.8	96.9	96.9	97.0	97.0				
IV	300	63.8	77.0	83.0	87.8	90.5	92.5	94.1	95.1	95.3	96.9	97.7	97.8	98.0	98.0	98.1	98.1				
IV	200	63.8	77.1	83.1	88.0	90.6	92.6	94.2	95.2	95.4	97.2	98.1	98.2	98.3	98.3	98.4	98.4				
IV	100	63.8	77.2	83.2	88.2	90.9	92.8	94.5	95.5	95.7	97.6	98.5	98.6	98.7	98.7	98.8	98.8				
IV	800	63.8	77.3	83.3	88.3	91.0	92.9	94.6	95.6	95.8	97.7	98.6	98.7	98.8	98.8	98.9	98.9				
IV	700	63.8	77.3	83.3	88.3	91.0	92.9	94.6	95.7	95.9	97.8	98.8	98.9	99.0	99.0	99.1	99.1				
IV	600	63.8	77.3	83.5	88.5	91.2	93.1	94.8	95.9	96.1	98.2	99.1	99.2	99.4	99.4	99.5	99.5				
IV	500	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	99.8				
IV	400	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	99.8				
IV	300	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	99.8				
IV	200	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	99.8				
IV	100	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	99.8				
IV	0	63.8	77.3	83.5	88.5	91.3	93.2	94.9	96.1	96.3	98.4	99.4	99.5	99.6	99.6	99.7	100.0				

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110 MARCH AFB CA/RIVERSIDE

7-76, 73-78

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1000	52.3	58.9	61.1	62.3	64.6	65.5	67.0	67.6	68.1	69.5	69.8	70.4	70.5	70.8	71.3	71.9														
900	54.1	61.0	63.3	64.5	67.0	67.3	67.4	70.0	70.4	71.6	72.2	72.8	72.9	73.1	73.7	74.3														
800	54.4	61.3	63.7	64.8	67.3	68.2	67.7	70.3	70.8	72.2	72.5	73.1	73.2	73.4	74.0	74.6														
700	54.4	61.3	63.7	64.8	67.3	68.2	67.7	70.3	70.8	72.2	72.5	73.1	73.2	73.4	74.0	74.6														
600	54.7	61.6	64.0	65.5	68.0	68.8	71.3	71.0	71.4	72.8	73.1	73.6	73.9	74.1	74.6	75.3														
500	55.3	62.2	64.5	66.2	68.9	69.8	71.3	72.0	72.5	73.9	74.2	74.8	74.9	75.2	75.7	76.2														
400	55.8	62.8	65.4	67.1	69.8	70.6	72.2	72.9	73.3	74.7	75.1	75.7	75.8	76.0	76.6	77.2														
300	55.8	62.8	65.4	67.1	69.8	70.6	72.2	72.9	73.3	74.7	75.1	75.7	75.8	76.0	76.6	77.2														
200	56.5	63.7	66.5	68.2	70.9	71.7	73.2	74.0	74.4	75.8	76.1	76.8	76.9	77.1	77.6	78.3														
100	56.5	63.7	66.5	68.2	70.9	71.7	73.5	74.3	74.7	76.1	76.5	77.1	77.2	77.4	78.0	78.6														
0	56.7	63.9	66.7	68.4	71.2	72.0	74.2	74.9	75.4	76.8	77.1	77.7	77.8	78.1	78.6	79.2														
1000	57.0	64.5	67.4	69.1	71.9	72.8	74.9	75.8	76.2	77.6	78.0	78.6	78.7	78.9	79.5	80.1														
900	57.2	64.8	67.7	69.5	72.3	73.1	73.3	76.1	76.6	78.0	78.3	78.9	79.0	79.2	79.8	80.4														
800	58.5	65.3	69.6	71.5	74.3	75.2	77.3	78.2	78.6	80.0	80.3	81.0	81.1	81.3	81.8	82.5														
700	58.9	67.0	70.3	72.4	75.3	76.1	78.3	79.1	79.6	81.0	81.3	81.9	82.0	82.3	82.8	83.4														
600	59.9	69.1	72.6	74.8	77.8	78.7	81.9	81.7	82.2	83.5	83.9	84.5	84.6	84.8	85.4	86.0														
500	60.2	71.5	75.2	77.6	80.8	81.5	83.9	84.7	85.2	86.6	87.0	87.6	87.7	88.0	88.5	89.1														
400	61.1	72.9	77.0	80.2	83.7	84.6	86.9	87.8	88.3	89.7	90.1	90.8	90.9	91.1	91.6	92.3														
300	61.1	73.2	77.5	80.8	84.2	85.2	87.4	88.4	88.8	90.2	90.6	91.3	91.4	91.6	92.2	92.8														
200	61.4	73.9	78.3	81.8	85.3	86.3	88.6	89.6	90.0	91.4	91.9	92.7	92.8	93.0	93.5	94.2														
100	61.4	74.1	78.6	82.4	85.9	87.1	89.4	90.3	90.8	92.2	92.7	93.4	93.5	93.8	94.3	94.9														
0	61.4	74.2	78.8	82.6	86.3	87.5	89.9	90.9	91.3	92.7	93.2	94.0	94.1	94.3	94.8	95.5														
1000	61.5	74.3	79.1	82.9	86.8	88.2	90.5	91.5	91.9	93.3	93.9	94.6	94.7	94.9	95.5	96.1														
900	61.5	74.3	79.1	83.1	87.0	88.4	90.8	91.7	92.2	93.5	94.1	94.8	94.9	95.2	95.7	96.3														
800	61.5	74.3	79.1	83.1	87.1	88.5	90.9	91.8	92.3	93.9	94.4	95.2	95.3	95.5	96.0	96.7														
700	61.5	74.4	79.2	83.4	87.4	88.8	91.3	92.3	92.7	94.3	94.8	95.6	95.7	95.9	96.5	97.1														
600	61.5	74.4	79.2	83.4	87.4	88.8	91.3	92.4	92.8	94.4	94.9	95.7	95.8	96.0	96.6	97.2														
500	61.5	74.5	79.4	83.5	87.8	89.2	91.9	93.1	93.5	95.2	95.7	96.5	96.6	96.9	97.4	98.1														
400	61.5	74.5	79.4	83.5	88.0	89.4	92.2	93.4	93.9	95.6	96.2	97.0	97.2	97.6	98.3	99.0														
300	61.5	74.5	79.4	83.5	88.2	89.6	92.5	93.8	94.3	96.0	96.7	97.4	97.7	98.4	99.0	99.8														
200	61.5	74.5	79.4	83.5	88.2	89.6	92.5	93.8	94.3	96.0	96.7	97.4	97.7	98.4	99.0	99.9														
100	61.5	74.5	79.4	83.5	88.2	89.6	92.5	93.8	94.3	96.0	96.7	97.4	97.7	98.4	99.0	100.0														
0	61.5	74.5	79.4	83.5	88.2	89.6	92.5	93.8	94.3	96.0	96.7	97.4	97.7	98.4	99.0	100.0														

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH APR CA/RIVERSIDE

7-70,73-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
52.9	57.9	59.5	60.0	62.1	62.9	63.7	64.2	64.3	64.8	65.2	65.3	65.6	65.7	65.9	66.9				
56.1	61.3	63.0	64.1	65.0	66.5	67.3	67.8	67.9	68.5	68.9	69.0	69.2	69.4	69.6	70.5				
56.4	61.6	63.3	64.4	65.9	66.3	67.6	68.2	68.3	68.8	69.2	69.4	69.6	69.7	69.9	70.9				
56.4	61.7	63.5	64.5	66.1	67.1	67.9	68.4	68.5	69.1	69.2	69.5	69.9	70.1	70.2	71.2				
57.0	62.3	64.1	65.3	66.9	67.3	68.7	69.2	69.3	69.9	70.3	70.4	70.7	70.8	71.0	72.0				
57.8	63.3	65.1	66.4	68.1	69.1	69.9	70.6	70.7	71.3	71.6	71.9	72.1	72.3	72.5	73.5				
58.5	64.7	66.2	67.6	69.3	70.3	71.3	72.0	72.1	72.7	73.2	73.3	73.6	73.7	73.9	74.9				
58.8	64.5	66.6	67.9	69.6	70.7	71.6	72.3	72.5	73.1	73.6	73.7	74.0	74.1	74.3	75.3				
59.4	65.3	67.4	68.9	70.6	71.7	72.7	73.4	73.6	74.2	74.7	74.3	75.1	75.2	75.4	76.4				
59.5	65.4	67.5	69.1	70.8	71.9	72.9	73.7	73.9	74.5	75.2	75.1	75.3	75.5	75.7	76.7				
59.8	65.8	68.0	69.5	71.3	72.4	73.5	74.3	74.5	75.1	75.5	75.6	75.9	76.0	76.2	77.3				
60.1	66.3	68.5	70.1	71.9	73.0	74.1	74.9	75.1	75.8	76.2	76.3	76.6	76.7	77.0	78.0				
60.5	66.8	69.0	70.5	72.4	73.5	74.6	75.4	75.6	76.3	76.7	76.9	77.1	77.2	77.5	78.5				
61.7	68.4	70.7	72.3	74.3	75.4	76.5	77.3	77.6	78.2	78.7	78.8	79.1	79.2	79.5	80.5				
62.6	69.7	72.0	73.5	75.8	76.9	78.1	78.9	79.2	79.8	80.3	80.4	80.7	80.8	81.1	82.1				
63.6	71.2	73.9	75.3	78.0	79.1	80.2	81.1	81.3	82.0	82.5	82.6	82.9	83.0	83.3	84.3				
64.5	72.7	75.5	77.5	79.8	80.9	82.1	83.0	83.3	84.0	84.5	84.6	84.9	85.0	85.3	86.3				
65.0	73.7	76.7	78.9	81.4	82.5	83.9	84.9	85.2	85.9	86.4	86.6	86.9	87.0	87.3	88.3				
65.1	74.0	77.0	79.3	81.9	83.1	84.4	85.5	85.8	86.4	87.0	87.1	87.4	87.5	87.8	88.9				
65.5	74.9	77.9	80.5	83.1	84.5	85.9	86.9	87.2	88.0	88.5	88.7	89.0	89.1	89.4	90.4				
65.8	75.4	78.7	81.5	84.4	85.8	87.3	88.3	88.7	89.5	90.1	90.2	90.5	90.7	91.0	92.1				
66.0	75.8	79.2	82.2	85.1	86.7	88.2	89.3	89.7	90.5	91.1	91.3	91.6	91.8	92.1	93.1				
66.0	76.0	79.4	82.4	85.5	87.1	88.6	89.7	90.1	91.0	91.7	91.8	92.1	92.3	92.6	93.7				
66.1	76.1	79.7	82.7	85.8	87.5	89.1	90.2	90.7	91.5	92.3	92.4	92.7	92.9	93.2	94.3				
66.2	76.3	79.8	82.9	86.1	87.8	89.4	90.5	91.0	91.9	92.7	92.8	93.1	93.4	93.6	94.7				
66.2	76.4	79.9	83.1	86.4	88.1	89.9	91.1	91.5	92.5	93.3	93.4	93.7	94.0	94.3	95.4				
66.2	76.4	80.0	83.3	86.7	88.5	90.3	91.6	92.1	93.2	94.0	94.2	94.5	94.8	95.1	96.2				
66.2	76.4	80.0	83.3	86.8	88.7	90.6	92.0	92.5	93.6	94.5	94.7	95.1	95.4	95.7	96.9				
66.2	76.4	80.1	83.4	86.9	88.9	90.8	92.3	92.9	94.2	95.2	95.4	95.8	96.3	96.7	97.9				
66.2	76.4	80.1	83.4	87.0	88.9	90.8	92.4	93.0	94.3	95.3	95.6	96.1	96.5	97.1	98.5				
66.2	76.4	80.1	83.4	87.0	88.9	90.8	92.4	93.1	94.3	95.4	95.6	96.1	96.6	97.2	99.1				
66.2	76.4	80.1	83.4	87.0	88.9	90.8	92.4	93.1	94.3	95.4	95.6	96.1	96.6	97.2	100.0				

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23113 MARCH AFB CA/RIVERSIDE

7-70, 73-78

FE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	40.7	40.3	52.5	54.8	58.3	59.9	61.7	63.4	64.3	65.7	66.5	66.7	67.0	67.4	67.7	68.2
≥ 20000	41.7	50.2	53.7	55.9	59.5	61.2	62.0	64.7	65.6	67.4	68.2	68.3	68.8	69.1	69.5	70.0
≥ 18000	42.0	50.5	53.9	56.1	59.7	61.5	62.2	64.9	65.8	67.6	68.4	68.6	69.0	69.4	69.7	70.2
≥ 16000	42.1	50.6	54.0	56.3	59.8	61.6	62.4	65.0	66.0	67.7	68.6	68.7	69.1	69.5	69.9	70.3
≥ 14000	42.3	50.8	54.3	56.5	60.2	61.9	62.7	65.4	66.3	68.1	68.9	69.0	69.5	69.9	70.2	70.7
≥ 12000	43.0	51.7	55.1	57.4	61.2	63.1	63.6	66.7	67.6	69.4	70.2	70.3	70.8	71.2	71.5	72.0
≥ 10000	43.5	52.4	55.9	58.3	62.1	64.1	65.0	67.8	68.8	70.6	71.4	71.5	72.0	72.3	72.7	73.2
≥ 9000	43.7	52.6	56.1	58.9	62.6	64.7	66.5	68.4	69.4	71.2	72.2	72.1	72.6	72.9	73.3	73.8
≥ 8000	44.0	52.8	56.4	59.1	62.9	64.9	66.8	68.7	69.6	71.4	72.2	72.3	72.8	73.2	73.5	74.0
≥ 7000	44.2	53.1	56.6	59.5	63.2	65.2	67.1	69.0	70.0	71.7	72.6	72.7	73.2	73.5	73.9	74.3
≥ 6000	45.0	54.3	57.8	60.6	64.4	66.4	68.3	70.2	71.2	72.9	73.8	73.9	74.3	74.7	75.1	75.5
≥ 5000	45.6	55.3	58.9	61.7	65.5	67.5	69.4	71.3	72.2	74.0	74.8	74.9	75.4	75.8	76.1	76.6
≥ 4500	46.0	55.7	59.3	62.2	66.0	68.0	69.9	71.7	72.7	74.5	75.3	75.4	75.9	76.2	76.6	77.1
≥ 4000	47.0	57.6	61.2	64.1	68.0	70.0	72.1	74.0	74.9	76.7	77.5	77.7	78.1	78.5	78.8	79.3
≥ 3500	47.1	58.5	62.3	65.1	69.1	71.2	73.3	75.3	76.2	78.0	78.8	79.0	79.4	79.8	80.1	80.6
≥ 3000	48.2	59.9	63.8	66.8	70.8	72.8	74.9	77.0	77.9	79.7	80.5	80.6	81.1	81.6	81.9	82.5
≥ 2500	48.8	61.6	65.7	68.7	72.7	74.8	77.2	79.3	80.3	82.0	82.9	83.0	83.5	83.9	84.3	84.9
≥ 2000	49.1	63.4	67.5	70.9	75.2	77.3	79.7	81.8	82.7	84.5	85.3	85.5	85.9	86.4	86.8	87.4
≥ 1800	49.3	63.6	67.8	71.3	75.5	77.7	80.0	82.2	83.1	85.0	85.8	85.9	86.4	86.9	87.2	87.8
≥ 1500	49.3	64.3	69.0	72.5	76.8	79.0	81.4	83.6	84.5	86.4	87.2	87.4	87.8	88.3	88.7	89.2
≥ 1200	49.5	64.8	69.5	73.0	77.8	79.9	82.5	84.6	85.6	87.5	88.3	88.4	88.9	89.4	89.7	90.3
≥ 1000	49.5	65.5	70.3	74.1	79.0	81.2	83.8	86.1	87.0	88.9	89.7	89.8	90.3	90.8	91.1	91.7
≥ 900	49.5	65.5	70.3	74.1	79.0	81.2	83.8	86.2	87.1	89.0	89.8	90.0	90.4	90.9	91.3	91.8
≥ 800	49.5	65.6	70.4	74.2	79.1	81.6	84.2	86.5	87.5	89.4	90.3	90.4	90.9	91.4	91.7	92.3
≥ 700	49.5	65.7	70.6	74.3	79.2	81.8	84.5	86.9	87.8	89.7	90.7	90.8	91.4	91.8	92.2	92.8
≥ 600	49.5	65.7	70.8	74.5	79.3	82.3	85.0	87.5	88.4	90.3	91.3	91.4	92.0	92.4	92.8	93.4
≥ 500	49.5	65.8	70.9	74.7	79.4	82.7	85.5	87.9	88.9	91.3	92.3	92.4	93.0	93.6	94.0	94.7
≥ 400	49.5	65.8	70.9	74.7	79.4	82.7	85.5	87.9	88.9	91.3	92.3	92.4	93.0	93.6	94.0	94.7
≥ 300	49.5	65.8	71.0	74.9	80.4	83.2	86.1	89.6	90.5	93.3	94.4	94.6	95.2	95.7	96.5	97.2
≥ 200	49.5	65.8	71.0	74.9	80.4	83.2	86.1	89.7	90.7	93.5	94.7	94.8	95.5	96.1	97.0	97.8
≥ 100	49.5	65.8	71.0	74.9	80.4	83.2	86.1	89.7	90.7	93.5	94.7	94.8	95.6	96.2	97.2	98.8
≥ 0	49.5	65.8	71.0	74.9	80.4	83.2	86.1	89.7	90.7	93.5	94.7	94.8	95.6	96.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/11AC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

FE3

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	39.0	47.3	49.8	50.9	54.5	56.1	57.4	58.5	59.0	60.3	61.7	61.8	62.5	62.5	63.2	65.4
≥ 20000	40.4	48.7	51.5	52.7	56.3	57.9	59.2	60.3	60.8	62.2	63.8	63.9	64.7	64.7	65.5	67.6
≥ 18000	40.4	48.7	51.5	52.7	56.3	57.9	59.2	60.3	60.8	62.2	63.8	63.9	64.7	64.7	65.5	67.6
IV 16000	40.5	48.9	51.8	53.0	56.5	58.2	59.5	60.5	61.0	62.4	64.1	64.2	64.9	64.9	65.7	67.8
IV 14000	41.3	49.6	52.5	53.7	57.2	58.9	60.2	61.2	61.7	63.1	64.8	64.9	65.6	65.6	66.4	68.6
IV 12000	42.1	50.6	53.4	54.6	58.3	59.9	61.2	62.3	62.8	64.2	65.8	66.0	66.7	66.7	67.5	69.6
IV 10000	42.4	50.9	53.8	55.0	58.6	60.3	61.6	62.6	63.2	64.7	66.4	66.5	67.3	67.3	68.1	70.2
IV 9000	42.6	51.1	53.9	55.2	58.9	60.5	61.8	62.9	63.5	64.9	66.7	66.8	67.5	67.5	68.3	70.4
IV 8000	42.8	51.3	54.1	55.6	59.3	61.0	62.3	63.4	63.9	65.4	67.1	67.3	68.0	68.0	68.8	70.9
IV 7000	42.8	51.3	54.1	55.6	59.3	61.0	62.3	63.4	63.9	65.4	67.1	67.3	68.0	68.0	68.8	70.9
IV 6000	43.5	52.2	55.1	56.5	60.3	61.9	63.2	64.3	64.9	66.3	68.1	68.2	68.9	68.9	69.7	71.9
IV 5000	44.0	53.5	56.5	57.9	61.7	63.5	64.8	65.8	66.4	67.8	69.6	69.7	70.4	70.4	71.3	73.4
IV 4500	44.0	53.8	56.7	58.2	61.9	63.7	65.0	66.1	66.7	68.1	69.9	70.0	70.7	70.7	71.5	73.6
IV 4000	44.4	54.5	57.4	58.9	62.6	64.4	65.7	67.0	67.6	69.0	70.8	70.9	71.7	71.7	72.6	74.7
IV 3500	45.2	55.6	58.5	59.9	63.7	65.5	66.8	68.4	69.0	70.4	72.2	72.3	73.2	73.2	74.0	76.1
IV 3000	45.7	56.9	60.2	61.7	65.5	67.3	68.6	70.2	70.8	72.2	74.0	74.1	74.9	74.9	75.8	78.0
IV 2500	46.0	57.9	61.2	62.9	66.9	68.7	70.1	72.0	72.6	74.1	75.9	76.0	76.8	76.8	77.7	79.9
IV 2000	46.5	59.8	63.6	65.4	69.4	71.2	72.6	74.5	75.1	76.6	78.4	78.5	79.3	79.3	80.1	82.4
IV 1800	46.6	60.0	63.8	65.8	70.1	71.9	73.3	75.2	75.8	77.3	79.1	79.2	80.0	80.0	80.9	83.1
IV 1500	46.8	60.6	64.7	66.8	71.3	73.0	74.5	76.4	77.0	78.5	80.3	80.4	81.2	81.2	82.0	84.3
IV 1200	46.9	61.0	65.1	67.6	72.7	74.5	76.2	78.1	78.7	80.3	82.0	82.2	83.0	83.0	83.8	86.1
IV 1000	46.9	61.0	65.2	67.8	73.0	74.8	76.7	79.0	79.6	81.1	82.9	83.0	83.8	83.8	84.6	86.9
IV 900	47.2	61.2	65.7	68.3	73.6	75.4	77.5	79.8	80.4	81.9	83.7	83.8	84.6	84.6	85.5	87.7
IV 800	47.2	61.3	66.0	68.6	74.2	76.0	78.3	80.5	81.1	82.6	84.4	84.6	85.5	85.5	86.4	88.7
IV 700	47.2	61.3	66.0	68.6	74.3	76.1	78.4	80.6	81.2	82.7	84.5	84.8	85.6	85.6	86.5	88.8
IV 600	47.2	61.5	66.1	68.7	74.5	76.2	78.5	81.2	81.8	83.3	85.1	85.3	86.2	86.2	87.1	89.4
IV 500	47.2	61.7	66.3	68.9	74.7	76.5	78.8	81.6	82.3	84.2	85.9	86.2	87.0	87.0	87.9	90.2
IV 400	47.2	61.8	66.4	69.1	74.9	76.7	79.4	82.3	83.1	85.0	86.9	87.1	88.1	88.1	89.0	91.3
IV 300	47.2	61.8	66.4	69.1	74.9	76.7	79.6	82.5	83.3	85.3	87.5	87.7	89.0	89.0	90.4	93.0
IV 200	47.2	61.8	66.4	69.1	74.9	76.7	79.6	82.5	83.3	85.5	87.9	88.2	90.1	90.1	91.8	94.4
IV 100	47.2	61.8	66.4	69.1	74.9	76.7	79.6	82.5	83.3	85.6	88.1	88.3	90.2	90.5	92.3	97.0
IV 0	47.2	61.8	66.4	69.1	74.9	76.7	79.6	82.5	83.3	85.6	88.1	88.3	90.2	90.5	92.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23114 MARCH AFB CA/RIVERSIDE

7-70, 73-76

FE3

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING	43.1	46.5	47.3	48.1	50.4	52.0	52.5	53.4	54.1	55.1	55.8	56.3	57.2	57.2	57.9	60.3
> 20000	45.2	48.5	49.3	50.1	52.0	54.4	54.8	55.9	56.6	57.7	58.4	58.9	59.8	60.0	60.8	63.1
≥ 18000	45.3	48.6	49.5	50.5	53.0	54.7	55.2	56.3	57.0	58.0	58.7	59.2	60.2	60.5	61.2	63.6
≥ 16000	46.0	49.3	50.2	51.2	53.7	55.4	55.9	57.0	57.7	58.7	59.5	59.9	60.9	61.2	61.9	64.3
≥ 14000	46.5	49.8	50.7	51.7	54.1	55.9	56.4	57.4	58.2	59.2	59.9	60.4	61.3	61.7	62.4	64.8
≥ 12000	48.1	51.7	52.6	53.5	56.0	57.8	58.3	59.3	60.0	61.1	61.9	62.4	63.4	63.7	64.4	66.8
≥ 10000	49.1	52.6	53.5	54.5	57.2	59.0	59.5	60.5	61.2	62.4	63.2	63.7	64.7	65.0	65.7	68.1
≥ 9000	49.1	52.6	53.5	54.5	57.2	59.0	59.5	60.5	61.2	62.4	63.2	63.7	64.7	65.0	65.7	68.1
≥ 8000	49.8	53.3	54.3	55.2	58.0	59.8	60.5	61.6	62.3	63.5	64.3	64.8	65.7	66.1	66.8	69.3
≥ 7500	49.3	53.3	54.3	55.2	58.0	59.9	60.5	61.6	62.3	63.5	64.3	64.8	65.7	66.1	66.8	69.3
≥ 6000	50.1	53.8	54.8	55.8	58.6	60.5	61.2	62.3	63.0	64.2	65.0	65.5	66.4	66.8	67.5	70.0
≥ 5000	50.6	54.4	55.4	56.5	59.5	61.3	62.1	63.2	63.9	65.2	66.1	66.5	67.5	67.8	68.6	71.0
≥ 4500	50.6	54.4	55.4	56.6	59.6	61.5	62.2	63.4	64.1	65.4	66.2	66.7	67.6	68.0	68.7	71.2
≥ 4000	51.1	55.4	56.5	57.9	60.9	62.8	63.5	64.7	65.4	66.7	67.5	68.0	68.9	69.3	70.0	72.5
≥ 3500	51.9	56.4	57.4	59.0	61.9	63.8	64.5	65.8	66.5	67.8	68.7	69.1	70.1	70.4	71.2	73.6
≥ 3000	52.8	57.6	58.9	60.5	63.6	65.5	66.2	67.5	68.2	69.5	70.3	70.8	71.7	72.1	72.8	75.4
≥ 2500	53.7	58.9	60.3	62.1	65.8	67.8	68.7	70.0	70.7	72.0	72.8	73.3	74.2	74.6	75.3	77.9
≥ 2000	54.0	60.6	62.2	64.1	67.6	70.0	70.9	72.2	72.9	74.2	75.1	75.5	76.5	76.8	77.5	80.1
≥ 1800	54.1	60.9	62.4	64.4	68.2	70.4	71.4	72.8	73.5	74.8	75.7	76.1	77.1	77.4	78.1	80.7
≥ 1500	54.6	61.9	63.7	66.1	70.0	72.2	73.3	74.9	75.7	77.0	77.8	78.3	79.2	79.6	80.3	83.0
≥ 1200	54.8	62.9	64.7	67.1	71.4	73.8	75.2	76.7	77.4	78.8	79.7	80.1	81.2	81.6	82.3	85.0
≥ 1000	54.8	63.0	64.8	67.3	71.7	74.1	75.5	77.3	78.1	79.7	80.5	81.0	82.0	82.5	83.2	85.9
≥ 900	54.8	63.0	64.8	67.4	72.2	74.6	76.2	78.0	78.8	80.4	81.2	81.7	82.7	83.2	83.9	86.6
≥ 800	55.0	63.2	65.0	67.6	72.7	75.3	77.0	78.7	79.6	81.1	81.9	82.4	83.5	83.9	84.6	87.3
≥ 700	55.0	63.2	65.0	67.6	72.9	75.5	77.4	79.2	80.0	81.6	82.4	82.9	83.9	84.4	85.1	87.9
≥ 600	55.0	63.5	65.2	67.8	73.3	75.9	77.8	79.7	80.5	82.0	82.9	83.3	84.5	85.1	85.8	88.8
≥ 500	55.0	63.6	65.5	68.1	73.6	76.2	78.4	80.3	81.1	82.6	83.6	84.0	85.2	85.8	86.6	89.6
≥ 400	55.1	63.7	65.6	68.2	74.0	76.6	78.7	80.6	81.6	83.1	84.0	84.5	85.7	86.4	87.2	90.9
≥ 300	55.1	63.7	65.6	68.2	74.0	76.6	78.8	80.7	81.8	83.3	84.4	85.0	86.2	87.2	88.4	92.9
≥ 200	55.1	63.8	65.7	68.3	74.1	76.7	79.0	80.9	81.9	83.6	84.8	85.3	86.6	87.7	90.0	95.4
≥ 100	55.1	63.8	65.7	68.3	74.1	76.7	79.0	80.9	81.9	83.6	84.8	85.3	86.6	87.8	90.2	97.9
≥ 0	55.1	63.8	65.7	68.3	74.1	76.7	79.0	80.9	81.9	83.6	84.8	85.3	86.6	87.8	90.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

67-70, 73-78

FE

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING ≥ 20000	51.1	53.8	54.8	56.1	59.6	61.3	61.7	62.4	62.6	63.0	63.2	63.4	63.5	63.7	64.1	64.1
≥ 18000	52.7	55.6	56.6	57.9	61.5	63.2	63.7	64.5	64.8	65.2	65.6	65.7	65.8	66.1	66.4	66.4
≥ 16000	53.0	55.8	56.9	58.2	61.7	63.5	63.9	64.8	65.0	65.5	65.8	66.0	66.2	66.4	66.8	66.8
≥ 14000	53.7	56.6	57.8	59.1	62.6	64.4	65.0	65.8	66.1	66.5	66.9	67.0	67.3	67.5	67.8	67.8
≥ 12000	55.2	58.2	59.3	60.6	64.2	66.0	66.7	67.5	67.7	68.2	68.6	68.7	68.9	69.1	69.5	69.5
≥ 10000	56.1	59.3	60.5	61.9	65.8	67.6	68.3	69.1	69.4	70.0	70.3	70.4	70.7	70.9	71.3	71.3
≥ 8000	56.6	59.9	61.1	62.8	66.7	68.4	69.1	70.0	70.2	70.8	71.2	71.3	71.5	71.7	72.1	72.1
≥ 6000	56.7	60.0	61.2	62.9	66.8	68.6	69.4	70.2	70.4	71.0	71.4	71.5	71.7	72.0	72.3	72.3
≥ 4000	57.4	61.7	62.2	63.8	67.7	69.5	70.3	71.2	71.4	72.0	72.3	72.5	72.7	72.9	73.3	73.3
≥ 2000	57.8	61.7	62.9	64.8	68.8	70.6	71.4	72.2	72.5	73.2	73.5	73.6	73.9	74.1	74.5	74.5
≥ 1000	58.0	62.2	63.4	65.2	69.3	71.0	71.9	72.7	72.9	73.6	74.0	74.1	74.3	74.6	74.9	74.9
≥ 500	58.0	62.3	63.5	65.4	69.5	71.3	72.1	73.0	73.4	74.1	74.5	74.6	74.8	75.1	75.4	75.4
≥ 200	58.2	62.5	63.8	65.8	70.0	71.7	72.6	73.5	73.9	74.6	74.9	75.1	75.3	75.5	75.9	75.9
≥ 100	59.5	63.9	65.2	67.3	71.6	73.4	74.2	75.2	75.5	76.2	76.6	76.7	77.0	77.2	77.5	77.5
≥ 50	59.6	64.4	65.8	67.8	72.3	74.2	75.1	76.0	76.4	77.1	77.4	77.5	77.8	78.0	78.4	78.4
≥ 20	60.8	66.0	67.7	70.0	74.5	76.4	77.2	78.1	78.5	79.2	79.6	79.7	79.9	80.1	80.5	80.5
≥ 10	61.8	67.7	69.9	72.3	76.8	78.7	79.6	80.6	81.0	81.7	82.0	82.2	82.4	82.6	83.0	83.0
≥ 5	62.9	69.6	72.2	75.1	79.7	81.6	82.6	83.7	84.0	84.9	85.2	85.3	85.6	85.8	86.2	86.3
≥ 2	63.5	70.3	72.9	75.8	80.4	82.5	83.3	84.5	84.9	85.7	86.1	86.2	86.4	86.6	87.0	87.1
≥ 1	64.4	71.6	74.3	77.3	82.2	84.5	85.3	86.5	86.9	87.7	88.1	88.2	88.7	88.9	89.2	89.4
≥ .5	64.5	72.1	75.2	78.1	83.0	85.5	86.4	87.6	87.9	89.0	89.4	89.5	90.0	90.2	90.5	90.7
≥ .3	64.7	72.5	75.5	78.7	83.7	86.3	87.2	88.5	88.9	90.1	90.4	90.5	91.0	91.3	91.6	91.7
≥ .1	64.7	72.7	75.8	79.0	83.9	86.8	87.7	89.0	89.4	90.5	91.1	91.3	91.7	92.0	92.3	92.4
≥ .05	64.8	73.3	76.5	79.7	84.8	87.7	88.8	90.1	90.4	91.6	92.3	92.4	92.9	93.1	93.5	93.6
≥ .03	64.8	73.3	76.5	79.9	85.1	88.1	89.1	90.4	90.8	92.0	92.7	92.9	93.4	93.7	94.1	94.2
≥ .01	64.8	73.3	76.5	79.9	85.1	88.2	89.5	91.3	91.7	93.0	93.9	94.2	94.7	95.2	95.5	95.6
≥ .005	64.8	73.3	76.6	80.0	85.3	88.5	90.0	91.7	92.2	93.6	94.4	94.8	95.3	96.0	96.3	96.5
≥ .003	64.8	73.3	76.7	80.1	85.5	88.7	90.2	92.1	92.7	94.2	95.4	95.7	96.3	97.0	97.4	97.8
≥ .001	64.8	73.3	76.7	80.1	85.6	88.8	90.3	92.2	92.8	94.3	95.7	96.1	96.7	97.6	98.0	98.6
≥ .0005	64.8	73.3	76.7	80.1	85.6	88.8	90.3	92.2	92.8	94.3	95.7	96.1	96.8	97.9	98.5	99.3
≥ .0001	64.8	73.3	76.7	80.1	85.6	88.8	90.3	92.2	92.8	94.3	95.7	96.1	96.8	97.9	98.5	99.9
≥ .0000	64.8	73.3	76.7	80.1	85.6	88.8	90.3	92.2	92.8	94.3	95.7	96.1	96.8	97.9	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23117

MARCH AFB CA/RIVERSIDE

7-70, 73-75

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

1200-1400

CEILING FEET	VISIBILITY STATUTES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	55.4	57.9	59.5	60.4	63.5	63.9	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	58.3	60.8	62.3	63.5	67.1	67.6	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	58.7	61.2	62.8	63.9	67.6	68.1	68.6	68.7	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000	59.1	61.6	63.1	64.4	68.1	68.6	69.0	69.1	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	60.0	62.5	64.3	65.7	69.4	69.9	70.3	70.4	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 12000	61.5	63.9	65.7	67.3	71.1	71.5	72.1	72.2	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8
≥ 10000	61.7	64.4	66.2	68.1	72.0	72.6	73.2	73.3	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	61.7	64.4	66.2	68.1	72.0	72.6	73.2	73.3	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	62.8	65.6	67.4	69.3	73.2	73.8	74.3	74.5	74.6	75.1	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	62.9	66.1	67.8	69.7	73.6	74.2	74.8	74.9	75.1	75.5	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	63.5	66.8	68.6	70.4	74.3	74.9	75.5	75.7	75.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	63.9	67.4	69.1	71.0	74.9	75.5	76.1	76.2	76.4	76.8	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	64.7	68.2	70.0	71.9	75.8	76.4	77.0	77.1	77.2	77.7	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	67.0	70.8	72.6	74.5	78.6	79.2	79.8	79.9	80.0	80.5	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	68.2	72.8	74.6	76.7	80.9	81.4	82.0	82.2	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	70.3	75.8	77.7	79.9	84.4	85.0	85.6	85.7	85.8	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	72.5	78.6	81.0	83.5	87.9	88.8	89.4	89.5	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	74.1	80.9	83.2	85.7	90.3	91.3	92.0	92.1	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	74.3	81.1	83.5	85.9	90.5	91.5	92.2	92.3	92.4	92.9	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	75.2	82.6	85.0	87.6	92.2	93.3	94.0	94.3	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	75.4	83.2	85.6	88.4	93.1	94.3	95.3	95.7	95.9	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	75.4	83.2	85.7	88.5	93.3	94.6	95.5	96.0	96.3	97.2	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	75.4	83.3	85.8	88.7	93.4	94.7	95.6	96.2	96.6	97.4	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	75.7	83.9	86.4	89.4	94.1	95.4	96.3	97.0	97.4	98.2	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	75.7	84.0	86.5	89.5	94.2	95.5	96.5	97.4	97.9	98.7	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	75.7	84.0	86.5	89.5	94.4	95.7	96.7	97.6	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	75.7	84.0	86.5	89.5	94.6	95.9	96.8	97.8	98.2	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	75.7	84.0	86.5	89.5	94.7	96.0	96.9	97.9	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.7	84.0	86.5	89.5	94.7	96.0	96.9	97.9	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.7	84.0	86.5	89.5	94.7	96.0	96.9	97.9	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.7	84.0	86.5	89.5	94.7	96.0	96.9	97.9	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.7	84.0	86.5	89.5	94.7	96.0	96.9	97.9	98.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

846



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	48.2	53.0	54.7	56.7	59.0	61.1	62.5	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 2000	50.8	56.3	58.3	60.4	64.3	66.2	67.8	68.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 1800	51.1	56.7	58.7	60.9	64.8	66.7	68.3	68.8	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1600	51.4	57.1	59.1	61.3	65.2	67.1	68.9	69.4	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 1400	52.7	59.3	61.5	63.7	67.7	69.6	71.7	72.2	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 1200	54.3	61.1	63.2	65.6	69.6	71.5	74.0	74.5	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1000	55.2	62.3	64.4	66.9	71.0	72.9	75.4	75.9	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 800	55.4	62.5	64.7	67.1	71.3	73.2	75.7	76.1	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 600	56.4	63.5	65.6	68.1	72.2	74.1	76.7	77.2	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 400	56.6	63.7	65.8	68.3	72.6	74.5	77.1	77.5	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 200	56.7	63.9	66.1	68.6	72.8	74.7	77.3	77.8	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 100	57.6	65.2	67.5	70.0	74.2	76.1	78.7	79.2	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 50	58.4	66.1	68.3	70.8	75.3	77.3	79.9	80.4	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 25	60.2	68.0	70.3	72.9	77.4	79.4	82.0	82.5	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 12.5	61.7	69.7	72.3	74.9	79.6	81.6	84.3	84.8	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 6.25	63.7	72.2	74.8	77.7	82.5	84.5	87.2	87.7	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3.125	64.7	73.8	77.0	79.8	84.8	87.0	90.0	90.4	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1.5625	65.4	75.4	78.6	81.4	86.8	89.1	92.2	92.8	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 0.78125	65.5	75.7	78.8	81.8	87.1	89.5	92.7	93.4	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 0.390625	65.7	76.1	79.3	82.6	88.2	90.5	93.7	94.7	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0.1953125	66.2	77.0	80.3	83.6	89.6	92.1	95.3	96.5	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0.09765625	66.3	77.2	80.6	84.0	90.2	92.7	96.0	97.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0.048828125	66.3	77.3	80.7	84.3	90.4	92.9	96.2	97.5	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0.0244140625	66.3	77.5	81.0	84.5	90.7	93.1	96.6	98.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0.01220703125	66.3	77.5	81.0	84.5	90.7	93.1	96.6	98.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0.006103515625	66.3	77.5	81.0	84.5	90.8	93.3	96.8	98.2	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0.0030517578125	66.3	77.5	81.0	84.5	90.9	93.4	96.9	98.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.00152587890625	66.3	77.5	81.0	84.5	90.9	93.4	96.9	98.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.000762939453125	66.3	77.5	81.0	84.5	90.9	93.4	96.9	98.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.0003814697265625	66.3	77.5	81.0	84.5	90.9	93.4	96.9	98.3	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111 MARCH AFB CA/RIVERSIDE

7-70, 73-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTES MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	43.1	51.7	56.0	58.2	62.2	63.9	65.8	67.3	67.7	69.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 2000	44.3	53.3	57.5	59.8	64.0	65.8	67.9	70.1	70.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 5000	44.6	53.4	57.6	59.9	64.1	65.9	68.0	70.2	70.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 5000	44.7	53.5	57.9	60.1	64.4	66.2	68.3	70.4	70.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	46.0	55.0	59.4	61.7	66.2	68.0	70.2	72.3	72.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3000	46.9	56.1	61.1	63.3	68.0	70.2	72.4	74.6	75.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1000	47.7	57.2	62.4	64.6	69.3	71.5	73.7	75.9	76.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 1000	48.0	57.5	62.7	65.0	69.7	71.8	74.1	76.2	76.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 500	48.3	58.1	63.3	65.7	70.4	72.7	74.9	77.0	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 500	48.8	58.8	64.0	66.4	71.2	73.5	75.7	77.9	78.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 200	49.2	59.4	64.7	67.1	72.0	74.2	76.4	78.6	79.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 200	50.1	60.5	65.9	68.3	73.4	75.6	77.9	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 100	50.5	61.5	66.9	69.3	74.4	76.8	79.1	81.2	81.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 100	51.2	62.6	67.9	70.7	75.9	78.5	80.7	82.8	83.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 50	52.8	64.9	70.5	73.3	78.5	81.1	83.3	85.4	86.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 50	54.4	67.0	72.8	75.7	81.1	83.8	86.0	88.2	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 20	55.0	68.3	74.1	77.0	82.6	85.3	87.6	89.7	90.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 20	55.5	69.5	75.3	78.2	84.1	87.1	89.3	91.7	92.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 10	55.5	69.8	75.6	78.8	84.7	87.7	90.1	92.4	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 10	55.6	70.1	76.0	79.8	85.9	88.9	91.2	93.6	94.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 5	55.9	70.5	76.7	80.7	86.9	89.9	92.3	94.7	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 5	55.9	70.7	77.0	81.4	87.7	90.8	93.1	95.5	96.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1	55.9	70.8	77.2	81.5	87.8	90.9	93.3	95.6	96.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1	55.9	70.9	77.5	82.1	88.4	91.5	93.8	96.3	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	56.0	71.0	77.6	82.4	88.6	91.7	94.2	96.7	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 0	56.0	71.1	77.8	82.5	88.8	91.8	94.3	96.8	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	56.0	71.2	78.0	82.7	89.1	92.2	94.7	97.2	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	56.0	71.2	78.0	82.8	89.2	92.3	94.9	97.4	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	56.0	71.2	78.0	82.8	89.2	92.3	94.9	97.5	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	56.0	71.2	78.0	82.8	89.2	92.3	94.9	97.5	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.0	71.2	78.0	82.8	89.2	92.3	94.9	97.5	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23113 MARCH APR CA/RIVERSIDE

67-70, 73-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	43.6	57.7	56.7	59.5	63.1	64.3	66.3	68.1	68.6	69.3	69.6	69.6	69.6	69.6	69.6	69.7
≥ 20000	44.2	53.4	57.4	60.3	64.3	65.6	67.7	70.0	70.4	71.2	71.5	71.5	71.5	71.5	71.5	71.6
≥ 18000	44.7	53.9	57.9	60.8	64.8	66.1	68.2	70.4	70.9	71.6	72.0	72.0	72.0	72.0	72.1	72.1
≥ 16000	45.0	54.3	58.3	61.1	65.1	66.4	68.6	70.8	71.3	72.0	72.3	72.3	72.3	72.3	72.5	72.5
≥ 14000	45.2	54.4	58.4	61.2	65.6	66.9	69.0	71.3	71.7	72.5	72.8	72.8	72.8	72.8	72.9	72.9
≥ 12000	46.1	55.3	59.3	62.3	67.0	68.4	70.8	73.2	73.6	74.3	74.7	74.7	74.7	74.7	74.8	74.8
≥ 10000	46.8	56.1	60.2	63.5	68.3	69.7	72.1	74.6	75.3	76.0	76.5	76.5	76.5	76.5	76.6	76.6
≥ 9000	47.3	56.6	60.6	63.9	68.8	70.2	72.6	75.1	75.8	76.5	77.0	77.0	77.0	77.0	77.1	77.1
≥ 8000	47.8	57.1	61.1	64.4	69.3	70.7	73.0	75.5	76.2	77.0	77.4	77.4	77.4	77.4	77.5	77.5
≥ 7000	48.3	57.9	61.9	65.2	70.1	71.5	73.9	76.4	77.1	77.8	78.3	78.3	78.3	78.3	78.4	78.4
≥ 6000	49.5	59.6	63.6	66.9	71.7	73.2	75.5	78.0	78.7	79.4	79.9	79.9	79.9	79.9	80.0	80.0
≥ 5000	50.2	60.8	64.9	68.2	73.3	74.7	77.1	79.6	80.3	81.0	81.4	81.4	81.4	81.4	81.6	81.6
≥ 4500	50.5	61.0	65.1	68.4	73.5	74.9	77.3	79.8	80.5	81.2	81.7	81.7	81.7	81.7	81.8	81.8
≥ 4000	52.1	63.0	67.3	70.8	76.2	77.7	80.0	82.5	83.2	83.9	84.4	84.4	84.4	84.4	84.5	84.5
≥ 3500	53.2	64.8	69.0	72.7	78.1	79.6	81.9	84.4	85.1	85.8	86.3	86.3	86.3	86.3	86.4	86.4
≥ 3000	53.9	65.6	70.2	73.9	79.3	80.7	83.1	85.6	86.4	87.1	87.6	87.6	87.6	87.7	87.8	87.8
≥ 2500	54.6	67.0	71.7	75.8	81.2	82.7	85.2	87.8	88.7	89.4	89.8	89.8	89.8	90.0	90.1	90.1
≥ 2000	55.1	67.8	72.7	76.7	82.2	83.7	86.3	88.9	89.7	90.4	90.9	90.9	91.0	91.0	91.1	91.1
≥ 1800	55.2	68.1	73.0	77.1	82.5	84.0	86.6	89.2	90.1	90.8	91.3	91.3	91.4	91.4	91.5	91.5
≥ 1500	55.6	68.9	74.0	78.4	84.0	85.6	88.3	91.0	91.8	92.6	93.0	93.0	93.1	93.1	93.3	93.3
≥ 1200	55.6	69.1	74.3	79.2	85.2	86.8	89.5	92.3	93.3	94.0	94.4	94.4	94.6	94.6	94.7	94.7
≥ 1000	55.8	69.9	75.1	80.0	86.3	87.8	90.5	93.5	94.4	95.2	95.6	95.6	95.7	95.7	95.9	95.9
≥ 900	55.8	70.0	75.2	80.1	86.4	87.9	90.7	93.6	94.6	95.3	95.7	95.7	95.9	95.9	96.0	96.0
≥ 800	55.8	70.2	75.5	80.5	86.8	88.4	91.1	94.2	95.2	95.9	96.3	96.3	96.5	96.5	96.6	96.6
≥ 700	55.8	70.6	76.0	81.0	87.2	88.9	91.6	94.7	95.6	96.3	96.8	96.8	96.9	96.9	97.0	97.0
≥ 600	55.8	70.7	76.4	81.4	87.9	89.6	92.3	95.4	96.3	97.0	97.5	97.5	97.6	97.6	97.8	97.8
≥ 500	55.8	70.8	76.5	81.7	88.2	90.0	92.7	95.9	96.8	97.6	98.1	98.1	98.2	98.2	98.3	98.3
≥ 400	55.8	70.8	76.5	81.8	88.3	90.2	93.0	96.3	97.6	98.5	98.9	98.9	99.1	99.1	99.2	99.2
≥ 300	55.8	70.8	76.5	81.8	88.3	90.2	93.0	96.6	97.9	98.7	99.2	99.2	99.3	99.3	99.4	99.4
≥ 200	55.8	70.8	76.5	81.8	88.3	90.2	93.0	96.6	97.9	98.7	99.2	99.2	99.3	99.3	99.4	99.4
≥ 100	55.8	70.8	76.5	81.8	88.3	90.2	93.0	96.6	97.9	98.7	99.2	99.2	99.3	99.5	99.6	99.8
≥ 0	55.8	70.8	76.5	81.8	88.3	90.2	93.0	96.6	97.9	98.7	99.2	99.2	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

R46

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
-IR WEATHER SERVICE/AC

## CEILING VERSUS VISIBILITY

23117 MARCH AFB CA/RIVERSIDE

7-73, 73-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	45.6	51.5	53.9	55.6	58.9	60.3	61.5	62.6	63.0	63.8	64.2	64.3	64.6	64.7	64.9	65.6
≥ 2000	47.2	53.3	55.6	57.5	61.2	62.7	64.0	65.2	65.7	66.6	67.1	67.2	67.4	67.5	67.8	68.5
≥ 1800	47.5	53.6	56.1	57.9	61.5	63.0	64.3	65.5	66.0	66.9	67.4	67.5	67.8	67.9	68.2	68.8
≥ 1600	47.8	54.0	56.5	58.3	61.9	63.5	64.8	66.0	66.5	67.4	67.9	68.0	68.3	68.4	68.7	69.3
≥ 1400	48.6	55.0	57.5	59.3	63.1	64.6	66.0	67.2	67.7	68.6	69.1	69.2	69.5	69.6	69.9	70.5
≥ 1200	49.8	56.2	58.9	60.8	64.6	66.3	67.8	69.0	69.5	70.4	70.9	71.0	71.3	71.4	71.7	72.3
≥ 1000	50.4	57.0	59.7	61.7	65.7	67.3	68.8	70.1	70.7	71.6	72.2	72.3	72.6	72.7	73.0	73.6
≥ 900	50.6	57.2	59.9	61.9	65.9	67.6	69.1	70.3	70.9	71.9	72.5	72.6	72.9	73.0	73.3	73.9
≥ 800	51.1	57.8	60.5	62.6	66.6	68.3	69.9	71.1	71.7	72.7	73.3	73.4	73.7	73.8	74.1	74.7
≥ 700	51.4	58.2	60.9	63.1	67.1	68.8	70.4	71.6	72.2	73.2	73.8	73.9	74.2	74.3	74.6	75.2
≥ 600	52.0	59.0	61.8	63.9	67.9	69.6	71.2	72.4	73.0	74.0	74.5	74.7	75.0	75.1	75.4	76.0
≥ 500	52.5	59.9	62.7	64.9	69.0	70.7	72.3	73.5	74.2	75.2	75.7	75.8	76.1	76.2	76.5	77.2
≥ 450	52.8	60.4	63.2	65.4	69.6	71.3	72.9	74.1	74.7	75.7	76.3	76.4	76.7	76.8	77.1	77.8
≥ 400	54.1	62.0	64.8	67.1	71.4	73.2	74.8	76.1	76.7	77.7	78.2	78.4	78.7	78.8	79.1	79.7
≥ 350	55.0	63.4	66.3	68.7	73.0	74.8	76.4	77.8	78.4	79.4	80.0	80.1	80.4	80.5	80.8	81.4
≥ 300	56.2	65.1	68.3	70.8	75.2	77.0	78.6	80.0	80.6	81.6	82.2	82.3	82.6	82.7	83.0	83.7
≥ 250	57.1	66.7	70.1	72.8	77.3	79.2	81.0	82.4	83.0	84.1	84.6	84.7	85.0	85.2	85.5	86.2
≥ 200	57.8	68.4	71.9	74.7	79.4	81.4	83.2	84.7	85.3	86.4	86.9	87.0	87.4	87.5	87.8	88.5
≥ 180	58.0	68.7	72.2	75.1	79.9	81.9	83.7	85.3	85.9	86.9	87.5	87.6	87.9	88.1	88.4	89.0
≥ 160	58.4	69.5	73.3	76.4	81.3	83.4	85.3	86.9	87.5	88.6	89.1	89.2	89.6	89.7	90.0	90.7
≥ 140	58.6	70.1	73.9	77.2	82.3	84.6	86.6	88.3	88.9	90.0	90.6	90.7	91.1	91.2	91.5	92.2
≥ 120	58.7	70.4	74.5	77.7	83.1	85.3	87.3	89.1	89.8	91.0	91.6	91.7	92.1	92.2	92.5	93.2
≥ 100	58.7	70.5	74.4	77.9	83.3	85.5	87.6	89.5	90.2	91.4	92.0	92.1	92.5	92.6	92.9	93.6
≥ 90	58.8	70.8	74.8	78.3	83.9	86.1	88.3	90.2	90.9	92.1	92.7	92.8	93.2	93.4	93.7	94.4
≥ 80	58.8	70.8	74.9	78.5	84.1	86.3	88.5	90.5	91.2	92.4	93.1	93.2	93.6	93.7	94.0	94.8
≥ 70	58.8	70.9	75.0	78.6	84.3	86.6	88.8	90.9	91.7	92.9	93.5	93.7	94.1	94.3	94.6	95.3
≥ 60	58.8	71.0	75.2	78.8	84.5	86.9	89.2	91.3	92.0	93.4	94.1	94.3	94.7	94.9	95.2	95.9
≥ 50	58.8	71.0	75.2	78.9	84.7	87.1	89.5	91.7	92.5	94.0	94.8	94.9	95.4	95.6	95.9	96.8
≥ 40	58.8	71.0	75.2	78.9	84.7	87.1	89.6	91.9	92.8	94.3	95.1	95.3	95.8	96.1	96.6	97.6
≥ 30	58.8	71.1	75.2	78.9	84.8	87.2	89.6	91.9	92.8	94.4	95.3	95.4	96.0	96.4	97.1	98.3
≥ 20	58.8	71.1	75.2	78.9	84.8	87.2	89.6	91.9	92.8	94.4	95.3	95.4	96.1	96.5	97.2	99.2
≥ 10	58.8	71.1	75.2	78.9	84.8	87.2	89.6	91.9	92.8	94.4	95.3	95.4	96.1	96.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6767

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAX

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY IN STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO CEILING ≥ 2000	34.0	44.5	48.4	51.1	55.7	57.2	61.5	62.0	62.4	63.3	63.6	63.6	63.9	64.2	64.3	64.7
≥ 2000	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 1500	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 1000	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 800	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 600	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 400	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 300	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 200	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 150	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 100	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 50	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 30	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 20	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 10	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 5	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 3	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 2	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 1	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2
≥ 0	34.8	45.5	49.5	52.2	56.7	58.2	61.6	63.3	63.8	64.7	65.0	65.0	65.3	65.6	65.7	66.2

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2311- MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	33.5	41.6	44.5	46.3	49.7	51.4	53.1	55.0	56.3	57.6	58.8	58.8	59.5	59.5	59.7	61.1
≥ 2000	34.6	42.7	45.6	47.4	50.9	52.7	54.4	57.3	57.6	59.1	60.3	60.3	61.0	61.0	61.2	62.6
≥ 1800	34.6	42.7	45.6	47.4	50.9	52.7	54.4	57.3	57.6	59.1	60.3	60.3	61.0	61.0	61.2	62.6
≥ 1600	34.6	42.7	45.6	47.4	50.9	52.7	54.4	57.3	57.6	59.1	60.3	60.3	61.0	61.0	61.2	62.6
≥ 1400	34.7	42.9	46.1	48.1	51.5	53.3	55.1	58.0	58.3	59.8	61.0	61.0	61.6	61.6	61.8	63.2
≥ 1200	34.9	43.1	46.3	48.3	51.7	53.5	55.3	58.2	58.5	60.0	61.2	61.2	61.8	61.8	62.0	63.4
≥ 1000	35.3	43.5	46.8	48.7	52.2	54.0	55.7	58.6	58.9	60.4	61.6	61.6	62.3	62.3	62.5	63.9
≥ 900	35.4	43.7	47.2	49.1	52.6	54.4	56.1	59.0	59.4	60.9	62.0	62.0	62.7	62.7	62.9	64.3
≥ 800	35.8	44.2	47.7	49.7	53.2	55.2	56.9	59.8	60.1	61.6	62.8	62.8	63.4	63.4	63.7	65.1
≥ 700	36.1	44.6	48.2	50.1	53.7	55.6	57.3	60.5	60.9	62.4	63.5	63.5	64.2	64.2	64.4	65.8
≥ 600	36.5	44.9	48.5	50.4	54.0	55.9	57.6	60.9	61.2	62.7	63.9	63.9	64.5	64.5	64.7	66.1
≥ 500	37.1	45.9	49.5	51.4	54.9	56.9	58.6	61.8	62.2	63.7	64.8	64.8	65.5	65.5	65.7	67.1
≥ 450	37.7	47.1	50.8	52.7	56.2	58.2	59.9	63.1	63.4	64.9	66.1	66.1	66.8	66.8	67.0	68.4
≥ 400	39.2	50.3	54.4	56.5	60.2	62.2	63.9	67.1	67.4	68.9	70.1	70.1	70.8	70.9	71.1	72.5
≥ 350	40.0	51.2	55.5	57.5	61.3	63.2	64.9	68.2	68.5	70.0	71.2	71.2	71.8	71.9	72.2	73.5
≥ 300	41.7	54.2	58.6	61.0	64.8	66.8	68.5	71.7	72.0	73.5	74.7	74.7	75.4	75.5	75.7	77.1
≥ 250	42.9	57.1	61.8	64.6	68.5	70.4	72.2	75.4	75.7	77.2	78.4	78.4	79.0	79.1	79.4	80.8
≥ 200	43.1	58.5	63.3	66.2	70.2	72.3	74.0	77.2	77.5	79.1	80.3	80.3	81.0	81.1	81.4	82.8
≥ 180	43.1	58.7	63.9	66.8	70.8	72.8	74.5	77.8	78.2	79.8	81.0	81.0	81.6	81.7	82.0	83.4
≥ 150	43.7	60.1	65.7	69.0	73.3	75.5	77.2	80.5	80.9	82.5	83.8	83.8	84.4	84.5	84.8	86.2
≥ 100	43.8	61.0	67.2	70.8	75.2	77.4	79.1	82.5	82.8	84.4	85.7	85.7	86.3	86.5	86.8	88.2
≥ 50	44.0	61.4	68.0	71.8	76.8	79.1	80.9	84.3	84.6	86.2	87.5	87.5	88.2	88.3	88.6	90.0
≥ 40	44.1	61.6	68.2	72.0	77.0	79.5	81.3	84.7	85.1	86.7	88.0	88.0	88.6	88.7	89.0	90.4
≥ 30	44.1	61.6	68.5	72.5	77.4	79.9	81.7	85.2	85.6	87.3	88.7	88.7	89.4	89.5	89.8	91.2
≥ 20	44.1	61.6	68.5	72.5	77.4	79.9	81.7	85.2	85.6	87.3	88.7	88.7	89.4	89.5	89.8	91.2
≥ 10	44.1	62.0	68.9	72.9	77.8	80.5	82.6	86.0	86.5	88.4	89.8	89.9	90.5	90.6	91.0	92.4
≥ 5	44.2	62.2	69.0	73.1	78.2	80.9	83.0	86.6	87.0	89.0	90.5	90.8	91.4	91.5	91.8	93.2
≥ 2	44.2	62.3	69.1	73.2	78.3	81.0	83.5	87.6	88.1	90.1	91.7	91.9	92.7	92.8	93.2	94.6
≥ 1	44.2	62.3	69.2	73.4	78.5	81.2	83.8	87.8	88.4	90.4	92.0	92.4	93.3	93.4	93.9	95.3
≥ 0	44.2	62.3	69.2	73.4	78.5	81.2	83.9	88.0	88.5	90.5	92.3	92.6	94.0	94.1	94.9	97.4
≥ 0	44.2	62.3	69.2	73.4	78.5	81.2	83.9	88.0	88.5	90.5	92.3	92.6	94.0	94.1	95.3	98.7
≥ 0	44.2	62.3	69.2	73.4	78.5	81.2	83.9	88.0	88.5	90.5	92.3	92.6	94.0	94.1	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21119 MARCH AFB CA/RIVERSIDE

7-70, 73-76

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0900

CEILING FEET	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2 1000	32.4	35.1	37.8	39.1	41.9	43.0	44.5	47.0	48.0	49.7	50.2	50.5	52.0	52.8	53.7	55.3			
2 800	33.7	37.4	39.4	40.6	43.5	44.7	45.2	49.1	50.1	51.8	52.5	52.8	54.5	55.3	56.1	57.7			
2 600	34.0	37.7	39.7	41.0	43.9	45.1	45.5	49.5	50.4	52.2	52.8	53.1	54.8	55.6	56.5	58.1			
2 400	34.2	38.0	39.9	41.2	44.1	45.3	45.8	49.8	50.8	52.5	53.1	53.4	55.2	55.9	56.8	58.4			
2 200	34.3	38.6	40.5	41.8	44.7	45.9	47.4	50.4	51.4	53.1	53.8	54.1	55.8	56.6	57.4	59.0			
2 1000	34.8	38.6	40.5	41.8	44.8	46.0	47.5	50.6	51.6	53.3	54.0	54.3	56.0	56.8	57.6	59.4			
2 800	34.8	38.6	40.6	41.9	44.9	46.1	47.6	50.8	52.0	53.8	54.4	54.7	56.5	57.2	58.1	59.8			
2 600	35.2	39.1	41.3	42.8	45.8	47.1	48.6	51.7	53.0	54.7	55.4	55.7	57.4	58.2	59.0	60.3			
2 400	35.4	39.4	41.5	43.0	45.6	47.3	48.8	51.9	53.2	54.9	55.5	55.8	57.6	58.4	59.2	61.0			
2 200	35.9	39.9	42.0	43.5	46.6	47.8	49.4	52.5	53.8	55.5	56.1	56.5	58.2	58.9	59.8	61.5			
2 1000	36.3	40.4	42.7	44.3	47.3	48.7	50.3	53.4	54.7	56.5	57.1	57.4	59.1	59.9	60.8	62.5			
2 800	36.8	41.1	43.3	44.9	48.0	49.5	51.1	54.3	55.7	57.4	58.1	58.4	60.1	60.9	61.7	63.4			
2 600	38.2	42.3	45.5	47.1	50.3	51.9	53.7	57.1	58.5	60.3	61.0	61.3	63.0	63.8	64.6	66.3			
2 400	39.0	44.5	47.1	48.8	52.7	54.3	56.0	59.6	61.0	62.8	63.4	63.8	65.5	66.2	67.1	68.8			
2 200	40.1	46.6	49.4	51.5	55.8	57.5	59.4	62.9	64.4	66.2	66.9	67.2	68.9	69.7	70.5	72.3			
2 1000	41.6	48.8	52.2	55.2	59.8	61.7	63.5	67.1	68.6	70.4	71.1	71.4	73.1	73.9	74.7	76.5			
2 800	42.3	50.0	53.7	57.0	61.8	64.0	65.8	69.5	71.0	72.9	73.5	73.8	75.5	76.3	77.2	78.9			
2 600	42.3	50.1	54.3	57.6	62.7	64.8	66.8	70.4	71.9	73.9	74.5	74.8	76.7	77.4	78.3	80.0			
2 400	43.0	51.4	55.9	59.4	64.6	66.9	69.1	72.9	74.5	76.7	77.5	77.8	79.7	80.5	81.4	83.1			
2 200	43.1	52.2	56.8	60.6	66.3	68.9	71.5	75.3	76.9	79.0	79.9	80.2	82.0	82.9	83.8	85.5			
2 1000	43.7	52.8	57.7	61.7	67.6	70.4	73.0	77.0	78.6	80.8	81.6	81.9	83.8	84.6	85.5	87.2			
2 800	43.8	52.9	58.0	61.9	68.0	71.1	73.8	78.0	79.6	81.7	82.9	83.2	85.1	85.9	86.8	88.5			
2 600	44.0	53.5	58.9	63.0	69.1	72.3	74.9	79.1	80.8	82.9	84.2	84.5	86.3	87.2	88.1	89.8			
2 400	44.0	53.5	59.0	63.1	69.4	72.6	75.4	79.6	81.2	83.3	84.6	84.9	86.8	87.6	88.5	90.2			
2 200	44.0	53.5	59.0	63.2	69.5	72.8	75.7	80.1	81.7	83.9	85.2	85.6	87.4	88.3	89.1	90.9			
2 1000	44.1	53.9	59.4	63.5	70.2	73.9	76.8	81.5	83.2	85.5	86.8	87.2	89.2	90.1	91.0	92.7			
2 800	44.1	53.9	59.5	63.7	70.5	74.3	77.2	81.9	83.8	86.1	87.4	87.8	90.0	91.0	91.9	93.7			
2 600	44.1	53.9	59.5	63.7	70.5	74.4	77.3	82.0	83.9	86.5	87.7	88.2	90.5	91.5	93.1	95.2			
2 400	44.1	53.9	59.5	63.7	70.5	74.4	77.3	82.0	83.9	86.6	88.0	88.6	91.2	92.4	94.2	97.4			
2 200	44.1	53.9	59.5	63.7	70.5	74.4	77.3	82.0	83.9	86.7	88.1	88.7	91.3	92.5	94.3	98.5			
2 1000	44.1	53.9	59.5	63.7	70.5	74.4	77.3	82.0	83.9	86.7	88.1	88.7	91.3	92.5	94.3	100.0			

TOTAL NUMBER OF OBSERVATIONS 930



## CEILING VERSUS VISIBILITY

KAR

0900-1:00

TOTAL NUMBER OF OBSERVATIONS 930



## CEILING VERSUS VISIBILITY

7-72, 73-76

## DATA

1200-1400

[illegible]

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23113 MARCH APR 04/RIVERSIDE

7-70, 73-78

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO CEILING	38.1	44.8	47.5	50.1	57.0	59.0	59.6	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
≥ 8000	39.9	47.3	50.3	52.9	60.1	62.2	62.9	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
≥ 6000	40.1	47.5	50.6	53.2	60.5	62.7	63.4	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	
≥ 4000	40.2	47.6	50.9	53.7	61.0	63.1	63.9	64.6	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
≥ 2000	41.4	48.9	52.2	55.1	62.5	64.7	65.6	66.8	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
≥ 1000	42.8	50.4	53.8	56.7	64.2	66.5	67.3	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	
≥ 800	43.5	51.7	54.5	57.4	64.9	67.2	68.1	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
≥ 600	44.0	51.6	54.9	57.8	65.4	67.6	68.5	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
≥ 400	44.7	52.4	55.8	58.7	66.5	68.7	69.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	
≥ 200	45.1	52.8	55.2	59.1	66.9	69.1	70.0	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
≥ 100	46.1	53.9	57.4	60.4	68.3	70.5	71.4	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
≥ 0	47.7	56.0	59.6	62.7	71.1	73.3	74.2	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
≥ 4500	47.7	56.0	59.6	62.7	71.1	73.3	74.2	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
≥ 4000	50.3	58.7	62.3	65.4	73.8	76.0	77.0	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	
≥ 3500	53.1	62.3	66.1	69.7	78.1	80.3	81.3	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
≥ 3000	56.9	66.6	70.8	74.6	83.0	85.4	86.6	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	
≥ 2500	58.9	69.0	73.3	77.4	86.3	89.0	90.2	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	
≥ 2000	62.5	71.0	75.3	79.6	88.6	91.5	92.7	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	
≥ 1800	61.0	71.4	75.7	80.0	89.0	91.9	93.1	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
≥ 1500	62.3	73.1	77.5	82.0	91.6	94.5	95.9	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
≥ 1200	62.7	73.1	78.3	83.0	92.6	95.6	97.2	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
≥ 1000	63.0	74.2	78.7	83.4	93.1	96.1	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 900	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 800	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 700	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 600	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 500	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 400	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 300	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 200	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 100	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
≥ 0	63.0	74.4	78.8	83.5	93.2	96.2	97.8	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	

TOTAL NUMBER OF OBSERVATIONS 930

1  
3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21119 MARCH AFB CA/RIVERSIDE

7-72, 73-78

148

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 20	≥ 15	≥ 10	≥ 8	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ 0
NO CEILING	37.1	45.6	50.6	55.4	61.4	62.9	64.3	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	38.8	47.5	52.6	57.4	63.9	65.4	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	38.8	47.6	52.8	57.6	64.2	65.7	67.7	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	38.8	47.7	52.9	57.8	64.4	65.9	68.0	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	40.1	49.1	54.3	59.2	65.9	67.4	69.5	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3000	40.5	49.7	54.8	59.9	66.6	68.1	70.1	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 2000	40.9	50.0	55.2	60.2	66.9	68.5	70.5	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	41.2	50.4	55.6	60.6	67.2	68.9	71.0	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 800	41.9	51.3	56.5	61.5	68.2	69.8	71.8	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 700	42.6	51.9	57.1	62.2	68.8	70.4	72.5	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 600	44.3	53.8	58.9	64.1	70.8	72.4	74.4	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 500	45.8	55.5	60.8	65.9	72.9	74.5	76.6	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 450	46.0	55.9	61.2	66.3	73.3	74.9	77.0	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 400	47.7	58.5	63.9	69.2	76.3	78.0	80.1	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 350	48.9	61.3	66.9	72.3	79.5	81.1	83.2	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 300	51.2	64.6	70.3	75.7	82.9	84.5	86.7	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 250	52.9	67.5	73.7	79.2	86.6	88.2	90.3	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200	54.4	70.0	76.2	82.6	90.2	91.9	94.1	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 180	54.4	70.2	76.5	82.9	90.5	92.4	94.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 150	55.2	71.8	78.2	84.7	92.5	94.3	96.7	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 120	55.3	72.5	78.9	85.5	93.2	95.2	97.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	55.6	73.0	79.5	86.0	93.8	95.7	98.1	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 90	55.6	73.0	79.5	86.2	94.0	95.9	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 80	55.6	73.0	79.5	86.2	94.0	95.9	98.3	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 75	55.7	73.1	79.6	86.3	94.1	96.0	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 60	55.7	73.2	79.7	86.5	94.2	96.1	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	55.7	73.2	79.7	86.6	94.3	96.2	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23113 MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAK

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING ≥ 20000	36.2	48.0	52.4	56.6	62.4	63.9	65.4	65.9	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	37.5	49.5	54.0	58.2	64.2	65.7	67.4	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	37.5	49.5	54.0	58.2	64.2	65.7	67.4	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	38.0	49.9	54.5	58.7	64.7	66.2	68.0	68.5	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 12000	38.2	50.1	54.7	58.9	64.9	66.5	68.3	69.0	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000	38.4	50.3	54.9	59.1	65.2	66.7	68.5	69.2	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	38.5	50.5	55.2	59.4	65.4	66.9	68.7	69.5	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000	39.1	51.2	55.8	60.0	66.0	67.5	69.4	70.1	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	39.2	51.3	55.9	60.1	66.2	67.7	69.7	70.4	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 5000	40.0	52.2	56.8	61.0	67.1	68.6	70.5	71.3	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	41.9	54.3	58.9	63.1	69.2	70.8	72.7	73.4	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	42.4	55.2	59.8	64.0	70.1	71.6	73.5	74.3	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3500	44.2	58.3	63.0	67.3	74.0	75.5	77.4	78.2	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	45.5	61.1	65.9	70.3	77.0	78.5	80.4	81.2	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	46.9	63.4	68.5	73.0	79.8	81.4	83.3	84.1	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	48.1	66.0	71.5	76.3	83.1	84.7	86.7	87.4	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	48.7	68.9	74.6	79.8	86.9	88.5	90.4	91.2	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1600	49.1	69.6	75.3	80.4	87.5	89.1	91.1	91.8	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1400	49.6	70.9	76.8	82.5	90.1	91.7	93.7	94.4	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	50.0	71.8	78.1	84.0	91.6	93.5	95.5	96.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	50.2	72.4	78.8	84.7	92.5	94.4	96.3	97.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	50.2	72.4	78.8	84.8	92.6	94.5	96.6	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	50.2	72.5	79.2	85.3	93.0	94.9	97.0	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	50.3	72.6	79.4	85.4	93.1	95.1	97.1	98.2	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	50.3	72.7	79.5	85.5	93.2	95.2	97.2	98.3	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	50.3	72.9	79.8	85.8	93.5	95.5	97.5	98.6	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	50.3	72.9	79.8	85.8	93.5	95.6	97.6	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	50.3	72.9	79.8	85.8	93.5	95.6	97.6	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	50.3	72.9	79.8	85.8	93.7	95.8	97.8	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	50.3	72.9	79.8	85.8	93.7	95.8	97.8	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	50.3	72.9	79.8	85.8	93.7	95.8	97.8	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-76

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MAP

ALL

CEILING feet	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING ≥ 20000	37.1	44.4	47.6	50.3	54.7	56.3	57.7	58.9	59.3	59.9	60.2	60.2	60.5	60.7	60.8	61.3
IV 18000	38.5	46.2	49.6	52.2	56.9	58.5	61.1	61.4	61.8	62.4	62.8	62.8	63.2	63.3	63.4	63.9
IV 16000	38.6	46.2	49.6	52.5	57.3	58.9	61.5	61.9	62.3	62.9	63.0	63.1	63.4	63.6	63.9	64.2
IV 14000	39.3	47.0	50.3	53.4	58.1	59.8	61.5	62.9	63.3	63.9	64.2	64.3	64.7	64.8	64.9	65.4
IV 12000	39.9	47.7	51.2	54.0	58.8	60.5	62.2	63.6	64.1	64.7	65.0	65.0	65.4	65.5	65.7	66.2
IV 10000	40.4	48.2	51.8	54.6	59.4	61.1	62.8	64.3	64.7	65.3	65.6	65.7	66.0	66.2	66.3	66.8
IV 9000	40.6	48.4	52.1	54.9	59.7	61.5	63.1	64.6	65.1	65.7	66.1	66.1	66.5	66.6	66.7	67.2
IV 8000	41.1	49.0	52.7	55.5	60.4	62.2	63.8	65.3	65.8	66.4	66.8	66.8	67.2	67.3	67.4	67.9
IV 7000	41.4	49.3	53.0	55.8	60.7	62.5	64.2	65.8	66.2	66.9	67.2	67.2	67.6	67.7	67.9	68.4
IV 6000	42.2	50.2	53.9	56.7	61.6	63.4	65.1	66.7	67.1	67.8	68.1	68.1	68.5	68.6	68.8	69.3
IV 5000	43.4	51.6	55.3	58.2	63.2	65.0	66.7	68.3	68.8	69.4	69.7	69.8	70.1	70.3	70.4	70.9
IV 4500	43.7	52.2	56.0	58.9	63.9	65.7	67.4	69.0	69.5	70.1	70.4	70.5	70.8	71.0	71.1	71.6
IV 4000	45.6	54.9	58.8	61.8	67.0	68.9	71.6	73.3	75.0	75.5	76.1	76.4	76.5	76.8	77.0	77.6
IV 3500	47.1	57.2	61.3	64.4	69.8	71.6	73.3	75.0	75.5	76.1	76.4	76.5	76.8	77.0	77.1	77.6
IV 3000	49.4	60.5	64.8	68.2	73.7	75.6	77.4	79.1	79.6	80.2	80.5	80.6	80.9	81.1	81.2	81.7
IV 2500	51.2	63.7	68.3	71.9	77.6	79.6	81.4	83.0	83.5	84.2	84.5	84.5	84.9	85.1	85.2	85.7
IV 2000	52.3	65.8	70.6	74.5	80.5	82.6	84.4	86.0	86.5	87.2	87.5	87.6	87.9	88.1	88.3	88.7
IV 1800	52.5	66.2	71.1	75.1	81.0	83.2	85.0	86.7	87.2	87.9	88.2	88.3	88.6	88.8	89.0	89.4
IV 1500	53.3	67.7	72.9	77.1	83.5	85.6	87.6	89.4	89.5	90.6	91.0	91.0	91.4	91.5	91.7	92.2
IV 1200	53.6	68.6	73.9	78.4	84.9	87.3	89.4	91.1	91.7	92.4	92.7	92.8	93.1	93.3	93.5	94.0
IV 1000	53.9	69.1	74.6	79.2	85.9	88.4	90.5	92.3	92.8	93.5	93.9	94.0	94.3	94.5	94.7	95.2
IV 900	53.9	69.2	74.8	79.4	86.1	88.7	90.9	92.8	93.3	94.0	94.5	94.5	94.9	95.0	95.2	95.7
IV 800	54.0	69.4	75.1	79.8	86.7	89.3	91.5	93.3	93.9	94.6	95.1	95.1	95.5	95.7	95.8	96.4
IV 700	54.1	69.4	75.2	79.9	86.8	89.4	91.6	93.5	94.1	94.9	95.3	95.3	95.7	95.9	96.1	96.6
IV 600	54.1	69.5	75.3	80.1	86.9	89.7	91.9	93.9	94.5	95.3	95.8	95.8	96.2	96.4	96.6	97.1
IV 500	54.1	69.6	75.4	80.2	87.2	90.0	92.3	94.3	94.9	95.8	96.2	96.7	96.9	97.4	97.5	98.3
IV 400	54.1	69.6	75.5	80.3	87.3	90.1	92.4	94.6	95.3	96.2	96.7	96.9	97.4	97.5	97.7	98.3
IV 300	54.1	69.6	75.5	80.3	87.3	90.2	92.5	94.7	95.4	96.3	96.8	97.0	97.6	97.7	98.1	98.6
IV 200	54.1	69.6	75.5	80.3	87.3	90.2	92.6	94.7	95.4	96.4	96.9	97.2	97.8	98.0	98.4	99.3
IV 100	54.1	69.6	75.5	80.3	87.3	90.2	92.6	94.7	95.4	96.4	96.9	97.2	97.8	98.0	98.5	99.6
IV 0	54.1	69.6	75.5	80.3	87.3	90.2	92.6	94.7	95.4	96.4	96.9	97.2	97.8	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-70

APL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	39.1	52.2	55.0	58.4	61.9	63.0	65.2	65.3	65.8	66.3	66.7	66.7	66.7	66.7	66.8	67.4
≥ 20000	39.3	52.6	56.1	58.8	62.2	63.3	65.6	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.1	67.8
≥ 18000	39.3	52.6	56.1	58.8	62.2	63.3	65.6	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.1	67.8
≥ 16000	39.3	52.6	56.1	58.8	62.2	63.3	65.6	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.1	67.8
≥ 14000	39.3	52.8	56.3	59.0	62.4	63.6	65.8	66.3	66.3	66.9	67.2	67.2	67.2	67.3	67.6	68.0
≥ 12000	39.3	52.8	56.4	59.1	62.6	63.7	65.9	66.4	66.4	67.0	67.3	67.3	67.3	67.6	67.8	68.2
≥ 10000	39.4	53.0	56.8	59.0	63.0	64.1	66.3	66.9	66.9	67.4	67.8	67.8	67.8	68.0	68.2	68.7
≥ 8000	39.4	53.1	56.9	59.7	63.1	64.2	66.4	67.0	67.0	67.6	67.9	67.9	67.9	68.1	68.3	68.8
≥ 7000	40.1	54.1	57.9	60.7	64.1	65.2	67.4	68.0	68.0	68.6	68.9	68.9	68.9	69.1	69.3	69.8
≥ 6000	40.1	54.4	58.2	61.0	64.4	65.6	67.8	68.3	68.3	68.9	69.2	69.2	69.2	69.4	69.7	70.1
≥ 5000	40.1	54.6	58.3	61.1	64.6	65.7	67.9	68.4	68.4	69.0	69.3	69.3	69.3	69.6	69.8	70.2
≥ 4500	40.6	55.3	59.1	61.9	65.3	66.4	68.7	69.2	69.2	69.8	70.1	70.1	70.1	70.3	70.6	71.0
≥ 4000	41.1	56.0	59.9	62.7	66.2	67.3	69.6	70.1	70.1	70.7	71.0	71.0	71.0	71.2	71.4	71.9
≥ 3500	42.9	58.4	62.4	65.6	69.3	70.4	72.7	73.2	73.2	73.8	74.1	74.1	74.1	74.3	74.6	75.0
≥ 3000	44.7	60.3	64.4	67.6	71.3	72.4	74.7	75.2	75.4	76.0	76.3	76.3	76.3	76.6	76.8	77.2
≥ 2500	46.1	63.1	67.7	70.8	74.6	75.7	77.9	78.4	78.7	79.2	79.6	79.6	79.6	79.8	80.0	80.4
≥ 2000	48.3	66.2	70.8	73.9	77.7	78.8	81.0	81.6	81.8	82.3	82.7	82.7	82.7	82.9	83.1	83.6
≥ 1800	49.0	68.0	72.9	76.4	80.7	81.8	84.0	84.6	84.8	85.3	85.7	85.7	85.7	85.9	86.1	86.6
≥ 1500	49.2	68.6	73.6	77.1	81.3	82.4	84.7	85.2	85.4	86.0	86.3	86.3	86.3	86.6	86.8	87.2
≥ 1200	49.8	69.9	75.3	79.2	83.4	84.9	87.2	87.8	88.1	88.9	89.2	89.2	89.2	89.4	89.7	90.1
≥ 1000	49.9	70.0	75.9	79.9	84.2	85.8	88.6	89.1	89.4	90.2	90.6	90.6	90.6	90.8	91.0	91.4
≥ 800	49.9	70.2	76.1	80.1	84.7	86.4	89.2	89.8	90.1	90.9	91.2	91.2	91.2	91.4	91.7	92.1
≥ 600	49.9	70.7	76.5	80.7	85.3	87.2	90.1	90.7	91.0	91.8	92.1	92.1	92.1	92.3	92.6	93.0
≥ 500	49.9	71.1	77.4	81.6	86.3	88.3	91.2	91.8	92.1	92.9	93.2	93.2	93.2	93.4	93.7	94.1
≥ 400	49.9	71.4	77.8	81.9	86.7	88.7	91.6	92.1	92.4	93.2	93.6	93.6	93.6	93.8	94.0	94.4
≥ 300	49.9	71.6	78.0	82.4	87.4	89.8	92.7	93.2	93.6	94.3	94.7	94.7	94.7	94.9	95.1	95.6
≥ 200	49.9	71.6	78.1	82.6	87.7	90.3	93.9	94.6	94.9	96.0	96.3	96.3	96.3	96.6	96.8	97.2
≥ 100	49.9	71.6	78.1	82.6	87.7	90.3	93.9	94.8	95.1	96.3	96.7	96.8	96.8	97.1	97.3	97.9
≥ 0	49.9	71.6	78.1	82.6	87.7	90.3	94.0	94.9	95.4	96.8	97.2	97.3	97.7	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23114 MARCH AFP CA/RIVERSIDE

67-70,73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	32.7	41.2	43.8	46.3	50.7	52.3	54.1	55.3	56.2	56.7	57.0	57.1	57.4	57.7	58.1	59.8
≥ 2000	32.8	41.6	44.1	46.7	51.1	52.8	54.6	55.8	56.7	57.1	57.4	57.6	57.9	58.1	58.6	60.2
≥ 1800	32.8	41.6	44.1	46.7	51.1	52.8	54.6	55.8	56.7	57.1	57.4	57.6	57.9	58.1	58.6	60.2
≥ 1600	32.8	41.6	44.1	46.7	51.1	52.8	54.6	55.8	56.7	57.1	57.4	57.6	57.9	58.1	58.6	60.2
≥ 1400	32.8	41.6	44.1	46.7	51.2	52.9	54.7	56.0	56.9	57.3	57.7	57.8	58.1	58.3	58.8	60.4
≥ 1200	32.8	41.6	44.1	46.7	51.2	53.0	54.8	56.1	57.0	57.4	57.8	57.9	58.2	59.4	58.9	60.6
≥ 1000	32.9	41.8	44.3	46.9	51.4	53.2	55.0	56.3	57.2	57.7	58.0	58.1	58.4	58.7	59.1	60.8
≥ 800	32.9	41.8	44.3	46.9	51.4	53.2	55.0	56.3	57.2	57.7	58.0	58.1	58.4	58.7	59.1	60.8
≥ 600	33.2	42.3	45.0	47.6	52.1	53.9	55.7	57.0	57.9	58.3	58.7	58.8	59.1	59.3	59.8	61.4
≥ 400	33.3	42.4	45.2	47.8	52.3	54.1	55.9	57.2	58.1	58.6	58.9	59.0	59.3	59.6	60.0	61.7
≥ 200	33.6	42.7	45.4	48.0	52.6	54.3	56.1	57.4	58.3	58.8	59.1	59.2	59.6	59.8	60.2	61.9
≥ 100	33.7	42.9	45.7	48.2	52.8	54.6	56.3	57.7	58.6	59.0	59.3	59.4	59.8	60.0	60.6	62.2
≥ 50	34.1	43.3	46.1	48.7	53.2	55.0	56.8	58.1	59.0	59.4	59.8	59.9	60.2	60.4	61.0	62.7
≥ 20	35.3	45.2	48.0	50.8	55.3	57.1	58.9	60.2	61.1	61.6	61.9	62.0	62.3	62.6	63.1	64.8
≥ 10	37.1	47.9	50.7	53.4	58.0	59.8	61.6	62.9	63.8	64.2	64.6	64.7	65.0	65.2	65.8	67.4
≥ 5	38.6	51.1	53.9	56.8	61.6	63.3	65.1	66.4	67.3	67.8	68.1	68.2	68.6	68.8	69.3	71.0
≥ 2	40.2	54.1	57.1	60.0	65.1	66.9	68.7	70.0	70.9	71.3	71.7	71.8	72.1	72.3	72.9	74.6
≥ 1	41.0	56.8	60.2	63.2	68.6	70.3	72.2	73.6	74.4	74.9	75.2	75.3	75.7	75.9	76.4	78.1
≥ .5	41.0	57.2	60.8	63.9	69.2	71.1	73.1	74.4	75.3	75.8	76.1	76.2	76.6	76.8	77.3	79.0
≥ .2	41.6	58.8	62.9	66.2	71.8	74.2	76.2	77.6	78.6	79.0	79.3	79.4	79.8	80.0	80.6	82.2
≥ .1	41.6	60.0	64.6	68.3	74.3	76.9	79.3	81.0	82.4	82.9	83.2	83.3	83.7	83.9	84.4	86.1
≥ .05	41.6	60.1	65.0	68.9	75.1	77.8	80.2	81.9	83.3	83.8	84.1	84.2	84.6	84.8	85.4	87.2
≥ .02	41.7	60.7	65.7	69.7	75.9	78.7	81.2	82.9	84.3	84.8	85.1	85.2	85.6	85.8	86.4	88.2
≥ .01	41.8	61.4	66.6	70.8	77.1	79.9	82.6	84.2	85.7	86.1	86.4	86.6	86.9	87.1	87.8	89.6
≥ .005	42.2	61.9	67.0	71.4	78.0	80.8	83.6	85.4	86.9	87.4	87.8	87.9	88.2	88.4	89.1	90.9
≥ .002	42.2	61.9	67.3	71.8	78.6	81.3	84.1	86.1	87.6	88.1	88.4	88.6	88.9	89.1	89.8	91.6
≥ .001	42.2	61.9	67.3	71.9	78.9	81.9	85.4	87.4	89.0	89.6	89.9	90.0	90.4	90.7	91.4	93.2
≥ .0005	42.2	61.9	67.3	71.9	79.1	82.2	86.0	88.2	89.8	90.3	90.7	90.8	91.2	91.4	92.2	94.0
≥ .0002	42.2	61.9	67.3	71.9	79.2	82.4	86.3	88.8	90.3	90.9	91.3	91.4	92.0	92.3	93.4	95.7
≥ .0001	42.2	61.9	67.3	71.9	79.2	82.4	86.3	88.9	90.4	91.0	91.6	91.7	92.2	92.7	94.2	98.1
≥ .00005	42.2	61.9	67.3	71.9	79.2	82.4	86.4	89.0	90.6	91.1	91.7	91.8	92.3	92.8	94.4	99.6
≥ .00002	42.2	61.9	67.3	71.9	79.2	82.4	86.4	89.0	90.6	91.1	91.7	91.8	92.3	92.8	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7311 MARCH AFB CA/RIVERSIDE

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	20	20	2	2	2	2	2	2	2	2	2	2
NO RECORD	32.8	37.7	39.0	41.4	45.9	47.7	49.0	50.6	51.6	52.4	53.1	53.2	53.8	54.2	55.0	57.2
≥ 2500	34.0	39.3	40.7	43.1	47.8	49.6	51.9	52.4	53.4	54.4	55.1	55.2	55.8	56.2	57.0	59.2
≥ 2000	34.1	39.4	40.8	43.2	47.9	49.7	51.0	52.6	53.6	54.6	55.2	55.3	55.9	56.3	57.1	59.3
≥ 1500	34.1	39.4	40.8	43.2	47.9	49.7	51.0	52.6	53.6	54.6	55.2	55.3	55.9	56.3	57.1	59.3
≥ 1000	34.1	39.4	40.8	43.2	48.2	50.0	51.3	52.9	53.9	54.9	55.6	55.7	56.2	56.7	57.4	59.7
≥ 800	34.1	39.6	40.9	43.3	49.3	50.1	51.4	53.0	54.0	55.0	55.7	55.8	56.3	56.8	57.6	59.8
≥ 600	34.8	40.3	41.7	44.1	49.2	51.0	52.3	54.1	55.1	56.1	56.9	57.0	57.7	58.1	58.9	61.1
≥ 400	35.1	40.7	42.0	44.4	49.7	51.4	52.8	54.6	55.6	56.6	57.3	57.4	58.1	58.6	59.3	61.6
≥ 300	35.3	40.9	42.2	44.7	50.0	51.8	53.2	55.0	56.0	57.0	57.8	57.9	58.6	59.0	59.8	62.0
≥ 200	35.7	41.2	42.6	45.0	50.3	52.1	53.6	55.3	56.3	57.3	58.1	58.2	58.9	59.3	60.1	62.3
≥ 150	36.2	41.9	43.2	45.7	51.0	52.8	54.2	56.0	57.0	58.0	58.3	58.9	59.6	60.0	60.8	63.0
≥ 100	36.9	43.0	44.4	46.9	52.2	54.0	55.4	57.2	58.2	59.2	60.0	60.1	60.8	61.2	62.0	64.2
≥ 75	37.4	43.6	45.0	47.4	52.8	54.7	56.1	57.9	58.9	59.9	60.7	60.8	61.4	61.9	62.7	64.9
≥ 50	38.8	45.1	46.7	49.1	54.6	56.4	58.0	59.8	60.8	61.8	62.6	62.7	63.4	63.9	64.7	66.9
≥ 25	40.8	47.7	49.3	51.8	57.2	59.3	60.9	62.7	63.7	64.7	65.4	65.6	66.3	66.8	67.6	69.8
≥ 10	42.4	50.8	52.6	55.1	60.7	62.9	64.8	66.8	67.8	68.8	69.6	69.7	70.4	70.9	71.8	74.0
≥ 5	44.3	53.7	55.7	58.4	64.3	66.6	68.4	70.4	71.4	72.4	73.2	73.3	74.1	74.6	75.4	77.7
≥ 2	45.4	55.9	58.1	61.1	67.1	69.4	71.4	73.6	74.6	75.6	76.3	76.4	77.2	77.7	78.6	80.8
≥ 1	45.7	56.2	58.7	61.9	68.2	70.6	72.7	74.8	75.8	76.8	77.6	77.7	78.4	78.9	79.8	82.0
≥ .75	46.1	57.8	60.3	63.9	70.2	72.7	75.0	77.1	78.4	79.7	80.6	80.7	81.4	81.9	82.8	85.0
≥ .5	46.4	59.2	62.0	65.8	72.6	75.2	77.6	79.8	81.2	82.6	83.4	83.6	84.3	84.8	85.7	87.9
≥ .25	46.6	59.4	62.2	66.1	73.3	76.0	78.3	80.7	82.1	83.4	84.3	84.7	85.4	85.9	86.8	89.1
≥ .1	46.6	59.6	62.3	66.2	73.4	76.1	78.4	80.8	82.3	83.7	84.6	85.0	85.8	86.2	87.2	89.6
≥ .05	46.9	60.0	63.0	67.0	74.4	77.2	79.7	82.2	83.9	85.2	86.1	86.6	87.3	87.8	88.8	91.1
≥ .02	46.9	60.0	63.2	67.4	75.0	78.0	80.6	83.1	84.8	86.1	87.1	87.6	88.4	88.9	89.9	92.2
≥ .01	46.9	60.0	63.2	67.4	75.4	78.4	81.6	84.1	85.8	87.2	88.2	88.7	89.6	90.0	91.0	93.3
≥ .005	46.9	60.0	63.2	67.4	75.7	79.1	82.4	85.2	87.0	88.4	89.4	89.9	90.9	91.6	92.6	95.0
≥ .002	46.9	60.1	63.3	67.6	75.8	79.2	82.6	85.7	87.6	89.1	90.2	90.7	91.7	92.3	93.3	95.8
≥ .001	46.9	60.1	63.3	67.6	75.8	79.2	82.6	85.7	87.7	89.6	90.7	91.1	92.1	93.0	94.7	97.3
≥ .0005	46.9	60.1	63.3	67.6	75.8	79.2	82.7	85.8	87.8	89.7	90.8	91.2	92.2	93.1	95.0	98.8
≥ .0002	46.9	60.1	63.3	67.6	75.8	79.2	82.7	85.8	87.8	89.7	90.8	91.2	92.2	93.2	95.2	99.8
≥ .0001	46.9	60.1	63.3	67.6	75.8	79.2	82.7	85.8	87.8	89.7	90.8	91.2	92.2	93.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23112

MARCH AFB CA/RIVERSIDE

7-70, 73-78

AP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO. REPORTED	≥ 20000	45.1	52.1	54.0	56.4	58.7	59.8	60.7	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6
	≥ 20000	47.1	54.6	56.7	59.2	61.6	62.7	63.6	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2000	≥ 2000	47.1	54.6	56.7	59.2	61.6	62.7	63.6	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
	≥ 2000	47.1	54.6	56.7	59.2	61.6	62.7	63.6	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1500	≥ 1500	47.2	54.8	57.0	59.6	61.9	63.0	63.9	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
	≥ 1500	47.2	54.8	57.1	59.7	62.1	63.1	64.0	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 1000	≥ 1000	47.7	55.6	57.8	60.3	62.7	63.9	64.7	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6
	≥ 1000	48.0	55.9	58.1	60.7	63.0	64.1	65.0	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
≥ 800	≥ 800	48.4	56.3	58.6	61.1	63.4	64.6	65.4	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
	≥ 800	48.7	56.6	58.8	61.3	63.7	64.8	65.7	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6
≥ 600	≥ 600	49.0	56.9	59.1	61.7	64.0	65.1	66.0	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
	≥ 600	49.6	57.4	59.7	62.2	64.6	65.7	66.6	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 450	≥ 450	49.8	57.7	59.9	62.4	64.8	65.9	66.8	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
	≥ 450	52.6	61.0	63.4	66.1	68.4	69.6	70.4	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 350	≥ 350	58.2	66.8	69.4	72.1	74.4	75.6	76.4	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
	≥ 350	62.8	72.1	75.1	78.2	80.7	81.8	82.7	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6
≥ 250	≥ 250	65.7	76.1	79.2	82.4	85.0	86.2	87.1	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
	≥ 250	67.7	79.2	82.3	86.1	88.9	90.2	91.1	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200	≥ 200	67.9	79.6	82.7	86.6	89.3	90.7	91.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
	≥ 200	69.0	81.2	84.4	88.6	92.3	93.9	95.0	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 150	≥ 150	69.2	81.4	84.7	89.3	93.3	94.9	96.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
	≥ 150	69.2	81.7	85.0	89.7	93.7	95.2	96.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	≥ 100	69.2	81.7	85.0	89.7	93.7	95.3	96.7	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
	≥ 100	69.2	81.7	85.0	89.7	93.9	95.6	96.9	98.1	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 75	≥ 75	69.2	81.7	85.0	89.7	94.1	95.8	97.1	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
	≥ 75	69.3	81.8	85.2	89.9	94.4	96.3	97.7	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 50	≥ 50	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
	≥ 50	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30	≥ 30	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 30	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 15	≥ 15	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 15	69.3	81.8	85.2	90.0	94.6	96.6	97.9	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 500

## CEILING VERSUS VISIBILITY

• 7-76, 73-78

APR

1200-1400

TOTAL NUMBER OF OBSERVATIONS 900

3

## 1

APL

1500-1700

1997

200

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH 468 CA/RIVERSIDE

7-70,73-78

AP3

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO REPORT	47.3	62.1	65.2	67.7	70.4	71.7	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2000	48.9	63.7	66.9	69.6	72.4	73.7	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1800	48.9	63.7	66.9	69.6	72.4	73.7	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1600	48.9	63.7	66.9	69.6	72.4	73.7	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1400	48.9	63.7	66.9	69.6	72.4	73.7	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1200	48.9	63.7	66.9	69.6	72.4	73.7	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1000	49.1	65.1	68.7	71.9	75.2	76.6	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 900	49.4	65.4	69.0	72.2	75.6	76.9	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 800	47.9	65.9	69.4	72.7	76.0	77.3	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 700	50.0	66.0	69.6	72.8	76.2	77.6	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 600	50.0	66.0	69.6	72.8	76.2	77.6	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 500	50.8	67.4	71.0	74.2	77.7	79.0	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 450	52.2	69.1	72.7	75.9	79.5	80.9	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 400	55.9	73.2	76.9	80.2	84.0	85.3	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 350	58.1	76.8	80.4	83.7	87.7	89.0	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	60.4	79.4	83.2	86.7	90.4	91.8	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 250	62.0	81.9	85.7	89.1	93.0	94.3	95.3	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	63.2	83.8	87.9	91.6	95.4	96.8	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 180	63.2	83.8	88.0	91.7	95.0	96.9	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 160	63.4	84.0	88.3	92.6	96.7	98.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 140	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 120	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 90	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 80	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 70	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 60	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 40	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 30	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1	63.4	84.1	88.4	92.7	96.8	98.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024
NO DATA	46.9	60.9	64.0	67.1	69.6	70.6	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 25000	47.4	61.4	64.6	67.9	70.6	71.3	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	47.4	61.4	64.6	67.9	70.6	71.3	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 15000	47.4	61.4	64.6	67.9	70.6	71.3	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	47.7	61.7	64.3	68.1	70.8	71.6	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7500	47.7	61.7	65.0	68.3	71.1	71.9	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	47.7	61.7	65.0	68.3	71.2	72.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	47.9	62.0	65.3	68.7	71.6	72.3	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1500	48.4	62.7	66.1	69.4	72.3	73.1	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1000	48.8	63.3	66.8	70.1	72.0	73.8	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 600	49.0	64.2	67.7	71.0	73.9	74.7	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 500	50.2	65.4	68.9	72.2	75.1	75.9	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 450	51.0	66.2	70.0	73.3	76.2	77.0	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 400	53.3	69.0	72.9	76.2	79.1	79.9	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 350	55.8	72.9	76.8	80.1	83.1	83.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 300	57.7	75.4	79.3	82.7	85.7	86.4	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500	59.3	78.8	82.7	86.0	89.1	89.9	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	60.0	80.6	84.5	88.1	91.2	92.0	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	60.2	80.8	85.0	88.3	91.7	92.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	60.3	81.1	85.6	89.3	93.0	93.9	95.4	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	60.8	81.6	86.0	90.0	93.7	94.6	96.2	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	60.8	81.7	86.1	90.4	94.1	95.0	96.7	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	61.1	82.1	86.7	91.0	94.8	95.8	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	61.1	82.1	86.8	91.1	94.9	95.9	97.6	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	61.1	82.4	87.1	91.4	95.2	96.2	97.9	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	61.1	82.6	87.3	91.7	95.6	96.6	98.2	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	61.1	82.7	87.4	91.8	95.7	96.7	98.3	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	61.1	82.7	87.4	91.8	95.7	96.7	98.3	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	61.1	82.7	87.4	91.8	95.7	96.7	98.3	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	61.1	82.7	87.4	92.0	95.9	96.9	98.6	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	61.1	82.7	87.4	92.0	95.9	96.9	98.6	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	61.1	82.7	87.4	92.0	95.9	96.9	98.6	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

920

USAF ETAC

FORM 10-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110

MARCH AFB CA/RIVERSIDE

7-70, 73-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	24	24	28	22	22	22	24	24	24	24	24	24	24	24
NO CEILING	41.5	51.3	54.3	57.2	60.5	62.0	62.4	64.2	64.5	64.7	64.9	64.9	65.0	65.1	65.3	65.8
≥ 20000	42.7	52.7	55.8	58.7	62.2	63.7	64.2	66.0	66.2	66.5	66.6	66.7	66.8	66.9	67.1	67.6
≥ 18000	42.7	52.8	55.8	58.8	62.2	63.8	64.2	66.0	66.3	66.5	66.7	66.7	66.8	66.9	67.1	67.6
≥ 16000	42.7	52.8	55.8	58.8	62.3	63.8	64.3	66.1	66.3	66.6	66.7	66.8	66.9	67.0	67.2	67.7
≥ 14000	42.8	52.9	56.0	59.0	62.6	64.1	64.6	66.4	66.6	66.9	67.1	67.1	67.2	67.3	67.5	68.0
≥ 12000	42.8	53.0	56.2	59.3	62.9	64.5	64.9	66.7	67.0	67.2	67.4	67.4	67.6	67.7	67.8	68.4
≥ 10000	43.2	53.6	56.8	59.9	63.6	65.1	65.6	67.4	67.7	67.9	68.1	68.1	68.3	68.4	68.6	69.1
≥ 9000	43.4	53.8	57.0	60.2	63.8	65.4	65.8	67.7	67.9	68.2	68.4	68.4	68.5	68.6	68.8	69.4
≥ 8000	43.9	54.4	57.5	60.7	64.4	66.0	67.5	68.3	68.5	68.8	69.0	69.0	69.1	69.3	69.4	70.0
≥ 7000	44.1	54.7	57.9	61.1	64.8	66.4	67.8	68.7	68.9	69.2	69.2	69.4	69.5	69.6	69.8	70.3
≥ 6000	44.6	55.2	58.3	61.6	65.3	66.9	68.3	69.2	69.4	69.7	69.9	69.9	70.0	70.1	70.3	70.9
≥ 5000	45.2	56.1	59.3	62.5	66.2	67.8	69.2	70.0	70.3	70.5	70.7	70.8	70.9	71.0	71.2	71.7
≥ 4500	46.0	57.0	60.3	63.5	67.2	68.8	70.3	71.1	71.4	71.6	71.8	71.8	72.0	72.1	72.3	72.8
≥ 4000	48.3	60.1	63.5	66.8	70.6	72.2	73.7	74.5	74.8	75.0	75.2	75.2	75.4	75.5	75.7	76.2
≥ 3500	51.4	63.7	67.3	70.6	74.5	76.1	77.6	78.4	78.7	79.0	79.2	79.2	79.3	79.4	79.6	80.2
≥ 3000	53.9	67.5	71.2	74.7	78.8	80.4	81.9	82.8	83.1	83.3	83.5	83.6	83.7	83.8	84.0	84.6
≥ 2500	56.1	70.6	74.4	78.1	82.3	84.0	85.5	86.4	86.7	87.0	87.2	87.2	87.3	87.4	87.7	88.2
≥ 2000	57.1	72.6	76.6	80.5	84.8	86.6	88.2	89.1	89.4	89.7	89.9	89.9	90.1	90.2	90.4	90.9
≥ 1800	57.2	72.8	76.9	80.8	85.3	87.1	88.8	89.8	90.1	90.3	90.5	90.6	90.7	90.8	91.0	91.6
≥ 1500	57.6	73.7	78.0	82.2	86.8	88.8	90.6	91.5	91.9	92.3	92.5	92.5	92.6	92.8	93.0	93.5
≥ 1200	57.8	74.2	78.7	83.0	87.9	89.9	91.8	92.8	93.3	93.7	93.9	93.9	94.0	94.1	94.3	94.9
≥ 1000	57.9	74.3	78.9	83.3	88.2	90.3	92.2	93.3	93.8	94.1	94.3	94.4	94.5	94.6	94.8	95.4
≥ 900	57.9	74.5	79.1	83.5	88.5	90.7	92.6	93.7	94.2	94.5	94.7	94.8	94.9	95.0	95.3	95.8
≥ 800	58.0	74.8	79.4	83.9	89.0	91.2	93.1	94.2	94.7	95.1	95.3	95.4	95.5	95.6	95.9	96.4
≥ 700	58.0	74.9	79.6	84.2	89.3	91.5	93.5	94.6	95.1	95.5	95.7	95.8	95.9	96.0	96.3	96.8
≥ 600	58.1	74.9	79.7	84.3	89.6	91.9	93.9	95.1	95.6	96.0	96.2	96.3	96.4	96.5	96.8	97.3
≥ 500	58.1	75.0	79.8	84.4	89.8	92.1	94.1	95.3	95.8	96.1	96.5	96.7	96.8	97.0	97.1	97.9
≥ 400	58.1	75.0	79.8	84.4	89.8	92.2	94.5	95.8	96.3	96.3	97.1	97.1	97.3	97.4	97.7	98.3
≥ 300	58.1	75.0	79.8	84.4	89.8	92.3	94.6	95.8	96.4	97.0	97.2	97.3	97.5	97.7	97.8	98.3
≥ 200	58.1	75.0	79.8	84.4	89.8	92.3	94.6	95.9	96.5	97.1	97.3	97.4	97.7	97.8	98.3	99.4
≥ 100	58.1	75.0	79.8	84.4	89.8	92.3	94.6	95.9	96.6	97.2	97.4	97.5	97.8	98.0	98.5	99.9
≥ 0	58.1	75.0	79.8	84.4	89.8	92.3	94.6	95.0	96.6	97.2	97.4	97.5	97.8	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-76

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	21	24	23	20	21	21	21	21	21	21	21	21	21	21
NO CEILING	22.5	37.4	42.4	47.4	53.4	54.4	57.4	58.1	58.4	58.8	58.9	59.0	59.3	59.7	59.7	59.8
≥ 2000	22.9	37.9	42.8	47.8	53.8	55.3	57.8	58.6	58.9	59.2	59.3	59.4	59.7	60.2	60.2	60.3
≥ 1800	22.9	37.9	42.8	47.8	53.8	55.3	57.8	58.6	58.9	59.2	59.3	59.4	59.7	60.2	60.2	60.3
≥ 1600	22.9	37.9	42.8	47.8	53.8	55.3	57.8	58.6	58.9	59.2	59.3	59.4	59.7	60.2	60.2	60.3
≥ 1400	22.9	37.9	42.8	47.8	53.8	55.3	57.8	58.6	58.9	59.2	59.3	59.4	59.7	60.2	60.2	60.3
≥ 1200	22.9	37.9	42.8	47.8	53.8	55.3	57.8	58.6	58.9	59.2	59.3	59.4	59.7	60.2	60.2	60.3
≥ 1000	23.0	37.9	42.9	48.0	54.0	55.5	58.0	58.8	59.1	59.5	59.6	59.7	60.2	60.6	60.6	60.7
≥ 800	23.1	38.0	43.1	48.1	54.1	55.7	58.1	58.9	59.2	59.6	59.7	59.8	60.3	60.7	60.7	60.8
≥ 600	23.1	38.0	43.1	48.1	54.1	55.7	58.1	58.9	59.2	59.6	59.7	59.8	60.3	60.7	60.7	60.8
≥ 400	23.1	38.1	43.2	48.2	54.2	55.8	58.2	59.0	59.3	59.7	59.8	60.0	60.4	60.8	60.8	60.9
≥ 200	23.1	38.2	43.3	48.3	54.3	55.9	58.3	59.1	59.4	59.8	60.0	60.1	60.5	60.9	60.9	61.0
≥ 100	23.4	38.4	43.5	48.5	54.6	56.1	58.6	59.3	59.6	60.1	60.2	60.3	60.7	61.1	61.1	61.2
≥ 80	23.4	38.4	43.5	48.5	54.6	56.1	58.6	59.3	59.6	60.1	60.2	60.3	60.7	61.1	61.1	61.2
≥ 60	24.1	39.2	44.2	49.3	55.3	56.8	59.2	60.1	60.4	60.8	60.9	61.1	61.5	61.9	61.9	62.0
≥ 40	24.7	40.3	45.3	50.4	56.4	57.9	60.4	61.1	61.5	61.9	62.0	62.1	62.5	63.0	63.0	63.1
≥ 20	25.4	41.6	46.6	51.7	57.7	59.2	61.7	62.4	62.8	63.2	63.3	63.4	63.8	64.3	64.3	64.4
≥ 10	27.0	43.5	49.0	54.1	60.2	61.7	64.2	64.9	65.2	65.7	65.8	65.9	66.3	66.7	66.7	66.8
≥ 5	26.0	46.3	52.1	57.4	63.5	65.1	67.6	68.4	68.7	69.1	69.2	69.3	69.8	70.2	70.2	70.3
≥ 1	26.4	47.5	53.3	59.0	65.4	67.1	69.3	70.3	70.6	71.0	71.2	71.3	71.7	72.1	72.1	72.2
≥ .80	28.8	48.8	55.0	61.4	67.9	69.5	72.0	72.8	73.1	73.5	73.6	73.7	74.2	74.5	74.6	74.7
≥ .60	29.4	51.2	57.0	64.8	72.1	73.7	76.6	77.5	78.0	78.5	78.6	78.7	79.1	79.5	79.5	79.7
≥ .40	29.4	52.1	58.9	66.7	74.8	76.0	79.5	80.4	80.9	81.5	81.6	81.7	82.1	82.6	82.6	82.7
≥ .20	29.5	53.1	60.3	69.3	78.1	80.0	83.0	84.2	84.7	85.3	85.4	85.5	85.9	86.3	86.3	86.4
≥ .10	29.5	53.1	60.5	69.6	78.0	80.9	84.3	85.6	86.1	86.7	86.8	86.9	87.3	87.7	87.7	87.8
≥ .05	29.5	53.3	60.7	70.0	79.7	81.5	85.5	86.9	87.4	87.9	88.2	88.3	88.7	89.1	89.1	89.2
≥ .02	29.5	53.4	60.8	70.2	80.1	82.2	86.5	88.2	88.7	89.5	89.7	89.8	90.2	90.6	90.6	90.7
≥ .01	29.5	53.4	60.8	70.5	80.4	82.6	87.1	89.0	89.7	90.6	91.0	91.1	91.5	91.9	92.0	92.1
≥ .00	29.5	53.4	60.8	70.6	80.6	83.0	87.7	90.0	91.0	92.9	93.2	93.3	93.8	94.2	94.5	94.6
≥ .00	29.5	53.4	60.9	70.7	80.7	83.2	87.9	90.5	91.5	93.9	94.6	94.9	95.8	96.2	96.7	96.9
≥ .00	29.5	53.4	60.9	70.7	80.8	83.3	88.2	90.9	91.8	94.5	95.7	96.0	97.1	97.5	98.3	99.0
≥ .00	29.5	53.4	60.9	70.7	80.8	83.3	88.2	90.9	91.9	94.6	95.9	96.2	97.3	97.8	98.7	100.0
≥ .00	29.5	53.4	60.9	70.7	80.8	83.3	88.2	90.9	91.9	94.6	95.9	96.2	97.3	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.1	46.9	48.3	49.2	49.5	50.1	50.4	50.9	51.3
≥ 20000	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.2	47.0	48.4	49.4	49.6	50.2	50.5	51.0	51.4
≥ 18000	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.2	47.0	48.4	49.4	49.6	50.2	50.5	51.0	51.4
≥ 16000	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.2	47.0	48.4	49.4	49.6	50.2	50.5	51.0	51.4
≥ 14000	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.2	47.0	48.4	49.4	49.6	50.2	50.5	51.0	51.4
≥ 12000	19.8	28.5	32.4	34.2	39.1	40.6	43.2	46.2	47.0	48.4	49.4	49.6	50.2	50.5	51.0	51.4
≥ 10000	19.8	28.6	32.5	34.3	39.2	40.8	43.4	46.5	47.2	48.6	49.6	49.8	50.4	50.8	51.2	51.7
≥ 9000	19.8	28.6	32.5	34.3	39.2	40.8	43.4	46.5	47.2	48.6	49.6	49.8	50.4	50.8	51.2	51.7
≥ 8000	19.8	28.6	32.5	34.3	39.2	40.8	43.4	46.5	47.2	48.6	49.6	49.8	50.4	50.8	51.2	51.7
≥ 7000	19.8	28.6	32.5	34.3	39.2	40.8	43.4	46.5	47.2	48.6	49.6	49.8	50.4	50.8	51.2	51.7
≥ 6000	19.8	28.6	32.5	34.3	39.2	40.8	43.4	46.5	47.2	48.6	49.6	49.8	50.4	50.8	51.2	51.7
≥ 5000	20.0	28.9	32.8	34.6	39.6	41.1	43.8	46.8	47.5	48.9	49.9	50.1	50.8	51.1	51.5	52.0
≥ 4500	20.0	29.0	32.9	34.7	39.7	41.2	43.9	46.9	47.6	49.0	50.0	50.2	50.9	51.2	51.6	52.2
≥ 4000	20.3	29.6	33.8	35.7	40.8	42.4	45.1	48.1	48.8	50.2	51.2	51.4	52.0	52.4	52.8	53.3
≥ 3500	20.5	29.8	34.0	35.9	41.0	42.6	45.3	48.3	49.0	50.4	51.4	51.6	52.3	52.6	53.0	53.5
≥ 3000	20.9	30.9	35.1	37.0	42.0	43.7	46.3	49.4	50.1	51.5	52.5	52.7	53.3	53.7	54.1	54.6
≥ 2500	22.5	33.1	37.6	39.6	44.7	46.3	49.0	52.0	52.8	54.2	55.2	55.4	56.0	56.3	56.8	57.3
≥ 2000	23.9	35.3	40.5	42.8	48.2	50.0	52.7	55.7	56.5	57.8	58.8	59.0	59.7	60.0	60.4	61.0
≥ 1800	24.2	36.5	41.7	44.0	49.4	51.3	54.0	57.0	57.7	59.1	60.1	60.3	61.0	61.3	61.7	62.3
≥ 1500	24.9	38.2	44.0	47.1	52.8	54.7	57.5	60.5	61.4	62.8	63.8	64.0	64.6	64.9	65.4	65.9
≥ 1200	25.3	40.1	46.2	50.0	56.3	58.3	61.6	64.8	65.7	67.1	68.1	68.3	68.9	69.2	69.7	70.2
≥ 1000	25.4	41.2	47.3	51.3	58.4	60.5	64.3	67.5	68.4	69.8	70.9	71.1	71.7	72.0	72.5	73.0
≥ 900	25.5	42.0	48.5	53.3	61.2	63.5	67.6	71.2	72.0	73.4	74.6	74.8	75.5	75.8	76.2	76.8
≥ 800	25.5	42.4	49.1	54.3	62.5	65.2	70.0	73.8	74.6	76.0	77.2	77.4	78.1	78.4	78.8	79.4
≥ 700	25.5	42.4	49.2	54.9	63.5	66.6	71.7	75.8	76.7	78.1	79.2	79.5	80.1	80.4	80.9	81.4
≥ 600	25.5	42.5	49.6	55.4	64.3	67.3	73.1	77.5	78.4	80.1	81.3	81.5	82.2	82.5	82.9	83.4
≥ 500	25.5	42.5	49.7	55.5	64.6	67.8	74.2	79.4	80.3	82.3	83.4	83.7	84.3	84.7	85.5	86.0
≥ 400	25.5	42.6	49.8	55.7	65.2	68.6	75.4	81.1	82.4	85.4	86.8	87.0	87.7	88.3	89.6	90.2
≥ 300	25.5	42.6	49.8	55.7	65.2	68.7	75.6	81.6	82.9	86.2	88.3	88.5	89.5	90.1	91.7	92.7
≥ 200	25.5	42.6	49.8	55.7	65.2	68.7	75.7	81.7	83.0	86.3	88.7	89.1	90.6	91.7	93.8	96.3
≥ 100	25.5	42.6	49.8	55.7	65.2	68.7	75.7	81.7	83.0	86.3	88.7	89.1	91.0	92.3	94.7	99.6
≥ 0	25.5	42.6	49.8	55.7	65.2	68.7	75.7	81.7	83.0	86.3	88.7	89.1	91.0	92.3	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	20.0	25.2	27.8	31.1	35.1	37.8	39.9	42.4	44.2	46.0	46.7	47.0	47.2	47.4	48.2	49.0
≥20000	20.2	25.5	28.3	31.5	35.6	38.4	40.4	43.0	44.8	46.7	47.3	47.6	47.8	48.1	48.8	49.7
≥18000	20.3	25.6	28.4	31.6	35.7	38.5	40.5	43.1	44.9	46.8	47.4	47.7	48.0	48.2	48.9	49.8
≥16000	20.3	25.6	28.4	31.6	35.7	38.5	40.5	43.1	44.9	46.8	47.4	47.7	48.0	48.2	48.9	49.8
≥14000	20.5	25.8	28.6	31.8	36.0	38.8	40.9	43.4	45.3	47.1	47.7	48.1	48.3	48.5	49.2	50.1
≥12000	20.5	25.8	28.6	31.9	36.1	38.9	41.0	43.5	45.4	47.2	47.8	48.2	48.4	48.6	49.4	50.2
≥10000	20.5	25.8	28.6	31.9	36.1	39.1	41.2	43.8	45.6	47.4	48.1	48.4	48.6	48.8	49.6	50.4
≥9000	20.5	25.8	28.6	31.9	36.1	39.1	41.2	43.8	45.6	47.4	48.1	48.4	48.6	48.8	49.6	50.4
≥8000	20.5	25.8	28.6	32.2	36.5	39.5	41.5	44.2	46.0	47.8	48.5	48.8	49.0	49.2	50.0	50.9
≥7000	20.6	26.0	28.8	32.4	36.7	39.7	41.7	44.4	46.2	48.1	48.7	49.0	49.2	49.5	50.2	51.1
≥6000	20.8	26.1	28.9	32.5	36.8	39.8	41.8	44.5	46.3	48.2	48.8	49.1	49.4	49.6	50.3	51.2
≥5000	20.9	26.2	29.0	32.6	36.9	39.9	41.9	44.6	46.5	48.3	48.9	49.2	49.5	49.7	50.4	51.3
≥4500	21.1	26.5	29.2	32.8	37.1	40.1	42.2	44.8	46.7	48.5	49.1	49.5	49.7	49.9	50.6	51.5
≥4000	21.9	27.4	30.2	34.0	38.4	41.4	43.4	46.2	48.1	49.9	50.5	50.9	51.1	51.3	52.0	52.9
≥3500	23.4	28.9	31.7	35.5	39.9	42.9	44.9	47.7	49.6	51.4	52.0	52.4	52.6	52.8	53.5	54.4
≥3000	24.6	30.2	33.2	37.0	41.5	44.5	46.6	49.4	51.2	53.0	53.7	54.0	54.2	54.4	55.2	56.0
≥2500	25.9	31.9	35.1	39.0	43.9	46.9	48.9	51.7	53.5	55.4	56.0	56.3	56.6	56.8	57.5	58.4
≥2000	27.7	34.7	38.3	42.9	48.3	51.7	53.9	56.8	58.6	60.4	61.1	61.4	61.6	61.8	62.6	63.5
≥1800	28.0	35.5	39.1	43.9	50.0	53.4	55.7	58.6	60.5	62.4	63.0	63.3	63.5	63.8	64.5	65.4
≥1600	29.0	37.7	41.8	46.8	53.3	57.2	59.7	62.0	64.9	66.8	67.4	67.7	68.0	68.2	68.9	69.8
≥1400	29.6	38.8	43.7	49.2	57.8	62.3	65.2	68.7	70.6	72.6	73.2	73.5	73.8	74.0	74.7	75.6
≥1200	29.8	39.2	44.3	50.2	59.0	64.0	67.0	70.8	72.7	74.8	75.5	75.8	76.0	76.2	77.1	78.0
≥1000	29.9	39.4	44.4	50.4	60.0	65.3	68.4	72.4	74.3	76.7	77.3	77.6	77.8	78.1	78.9	79.8
≥900	29.9	39.6	44.7	50.8	60.9	66.6	69.8	74.2	76.1	78.8	79.6	79.9	80.1	80.3	81.3	82.2
≥800	29.9	39.7	44.8	50.9	61.3	67.1	70.4	75.1	77.0	79.7	80.4	80.8	81.0	81.2	82.2	83.0
≥700	30.0	39.8	44.9	51.1	61.5	67.6	71.2	76.1	78.6	81.3	82.0	82.4	82.6	82.8	83.8	84.6
≥600	30.0	39.8	44.9	51.2	61.8	68.2	72.2	77.5	80.8	83.9	84.9	85.5	85.9	86.2	87.2	88.2
≥500	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.3	81.6	86.0	87.3	88.1	88.7	89.1	90.1	91.2
≥400	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.4	81.9	86.6	88.5	89.8	91.2	91.8	93.1	94.4
≥300	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.4	81.9	86.7	88.7	90.2	92.5	93.5	95.1	97.8
≥200	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.4	82.0	86.8	88.8	90.4	92.9	94.5	96.1	99.5
≥100	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.4	82.0	86.8	88.8	90.4	92.9	94.5	96.1	100.0
≥0	30.0	39.8	44.9	51.2	61.8	68.3	72.6	78.4	82.0	86.8	88.8	90.4	92.9	94.5	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	30.3	39.5	44.6	49.8	58.7	63.0	65.1	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	31.5	40.6	45.8	51.1	60.1	64.4	66.6	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	31.5	40.6	45.8	51.1	60.1	64.4	66.6	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	31.5	40.6	45.8	51.1	60.1	64.4	66.6	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	31.5	40.6	45.8	51.1	60.1	64.4	66.6	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	31.5	40.6	45.8	51.1	60.1	64.4	66.6	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	31.7	41.0	46.1	51.4	60.9	65.2	67.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	31.8	41.1	46.2	51.5	61.0	65.3	67.4	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000	32.2	41.4	46.7	51.9	61.5	65.9	68.1	68.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 7000	32.3	41.7	47.0	52.3	61.8	66.2	68.4	68.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	32.4	41.8	47.1	52.4	61.9	66.3	68.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	32.9	42.4	47.6	52.9	62.5	66.9	69.0	69.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500	32.9	42.5	47.8	53.1	62.7	67.1	69.2	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	34.9	44.6	50.1	55.4	64.9	69.4	71.5	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	37.0	47.0	52.5	57.7	67.4	71.8	74.0	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	39.5	49.9	55.6	61.1	71.3	75.7	77.8	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	40.8	51.9	58.1	64.2	75.1	79.5	81.6	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2000	42.0	54.0	60.6	67.3	78.8	83.5	85.8	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1800	42.6	54.7	61.9	68.9	80.6	85.6	87.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	43.3	55.8	63.4	71.3	84.2	89.7	92.0	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1400	43.5	56.1	64.2	72.3	85.8	91.6	94.3	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	43.7	56.2	64.3	72.5	86.0	91.8	94.8	95.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	43.7	56.2	64.3	72.5	86.0	92.2	95.2	95.8	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	43.7	56.2	64.3	72.5	86.1	92.5	95.5	96.5	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	43.7	56.2	64.3	72.5	86.2	92.7	95.7	96.9	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	43.7	56.2	64.3	72.5	86.3	92.8	95.8	97.1	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	43.7	56.2	64.3	72.5	86.3	92.8	95.8	97.3	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	43.7	56.2	64.3	72.5	86.3	92.8	95.9	97.4	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	43.7	56.2	64.3	72.5	86.3	92.8	95.9	97.4	98.9	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	43.7	56.2	64.3	72.5	86.3	92.8	95.9	97.4	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	43.7	56.2	64.3	72.5	86.3	92.8	95.9	97.4	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	43.7	56.2	64.3	72.5	86.3	92.8	95.9	97.4	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23112

MARCH AFB CA/RIVERSIDE

67-70,73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	27.5	38.6	44.3	50.5	63.8	71.5	75.1	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 20000	28.6	40.0	45.8	52.3	65.8	73.8	77.3	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 18000	28.8	40.2	46.0	52.5	66.0	74.0	77.5	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 15000	28.8	40.3	46.1	52.6	66.1	74.1	77.6	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 14000	29.1	40.8	46.6	53.0	66.6	74.5	78.1	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 12000	29.5	41.1	46.9	53.3	66.9	75.2	78.7	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 10000	29.6	41.2	47.0	53.4	67.1	75.4	78.9	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 9000	29.7	41.3	47.1	53.5	67.2	75.5	79.0	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	29.7	41.4	47.2	53.7	67.3	75.6	79.1	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 7000	30.0	41.8	47.6	54.1	67.7	76.0	79.6	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	30.0	41.8	47.6	54.1	67.7	76.0	79.6	80.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	30.3	42.2	48.0	54.4	68.1	76.3	79.9	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	31.1	42.9	48.7	55.2	68.8	77.1	80.6	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000	32.7	44.8	50.9	57.3	71.0	79.2	82.8	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	34.5	47.2	53.7	60.3	74.0	82.3	85.8	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3000	35.9	49.0	56.0	63.0	77.1	85.4	88.9	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	37.3	51.1	58.4	65.6	80.4	88.9	92.8	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	37.6	52.2	59.8	67.3	82.3	91.2	95.2	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800	38.3	52.6	60.2	67.8	82.8	91.7	95.7	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1500	38.8	53.4	61.2	69.1	84.8	94.0	98.0	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	38.9	53.8	61.5	69.5	85.3	94.4	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	38.9	53.8	61.5	69.5	85.4	94.5	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23112 MARCH AFB CA/RIVERSIDE

7-76, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1560-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	29.1	41.7	48.1	54.5	67.7	76.1	78.3	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 20000	30.5	43.1	49.6	56.0	69.7	78.2	80.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 18000	30.5	43.1	49.6	56.0	69.7	78.2	80.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	30.5	43.1	49.6	56.0	69.7	78.2	80.6	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	30.6	43.2	49.7	56.1	69.8	78.4	80.9	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 12000	31.2	43.8	50.2	56.7	70.3	79.0	81.5	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 10000	31.4	44.0	50.4	56.9	70.8	79.5	81.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	31.4	44.0	50.4	56.9	70.8	79.5	81.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	31.4	44.1	50.5	57.0	70.9	79.6	82.0	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 7000	31.3	44.5	51.0	57.4	71.3	80.0	82.5	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	31.9	44.6	51.1	57.5	71.4	80.1	82.6	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	32.3	45.1	51.5	58.1	71.9	80.6	83.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	32.7	45.6	52.0	58.6	72.5	81.2	83.7	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	34.4	48.0	54.7	61.4	75.5	84.2	86.7	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	35.5	49.8	57.2	64.1	78.3	87.0	89.5	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	36.8	51.3	59.1	66.5	81.0	89.7	92.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	37.4	52.9	60.9	68.2	83.0	91.8	94.7	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	38.0	53.7	61.7	69.0	84.4	93.5	96.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	38.0	54.3	62.4	69.8	85.6	94.7	97.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	38.0	54.5	62.7	70.1	86.0	95.2	98.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	38.0	54.6	62.8	70.2	86.1	95.3	98.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23112 MARCH AFB CA/RIVERSIDE

67-70,73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0
NO CEILING	30.0	49.0	56.0	64.3	73.3	77.5	79.4	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1
≥ 20000	37.0	50.1	57.2	65.7	74.9	79.1	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 18000	37.0	50.1	57.2	65.7	74.9	79.1	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	37.0	50.1	57.2	65.7	74.9	79.1	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 14000	37.0	50.1	57.2	65.7	74.9	79.1	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 12000	37.2	50.3	57.4	65.9	75.4	79.6	81.4	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2
≥ 10000	37.8	51.0	58.1	66.6	76.1	80.3	82.2	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 9000	37.8	51.0	58.1	66.6	76.1	80.3	82.2	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9
≥ 8000	37.8	51.0	58.1	66.6	76.3	80.5	82.4	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000	37.8	51.0	58.1	66.7	76.3	80.6	82.5	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	38.6	51.7	58.8	67.4	77.2	81.4	83.2	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	39.2	52.4	59.5	68.1	77.8	82.0	83.9	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	39.7	52.9	60.1	68.7	78.5	82.7	84.5	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	40.3	54.2	61.4	70.2	80.0	84.2	86.0	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3500	41.7	55.7	63.1	71.9	81.7	85.9	87.7	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	43.1	57.4	65.1	74.1	84.3	88.5	90.3	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	44.1	59.4	67.2	76.8	87.4	91.7	93.5	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	44.3	60.6	68.7	78.8	89.6	94.4	96.2	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	44.3	60.9	68.9	79.2	90.1	94.9	96.8	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	44.4	61.3	69.4	79.9	91.2	96.1	98.0	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	44.4	61.4	69.6	80.2	91.7	96.8	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	44.4	61.4	69.6	80.2	91.7	96.8	98.6	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	44.4	61.4	69.7	80.3	91.8	96.9	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.4	61.4	69.7	80.3	91.8	96.9	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.4	61.4	69.7	80.3	91.8	96.9	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	44.4	61.4	69.7	80.3	91.8	96.9	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	44.4	61.4	69.7	80.3	91.8	96.9	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23117 MARCH AFB CA/RIVERSIDE

7-75, 73-75

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	29.9	47.8	54.7	62.3	69.6	71.4	73.8	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	30.4	48.7	55.8	63.3	70.6	72.5	74.8	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	30.4	48.7	55.8	63.3	70.6	72.5	74.8	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	30.4	48.7	55.8	63.3	70.6	72.5	74.8	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	30.4	48.7	55.8	63.3	70.6	72.5	74.8	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	30.4	48.9	56.0	63.5	70.9	72.7	75.1	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥ 10000	30.8	49.4	56.5	64.1	71.4	73.2	75.6	76.0	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	31.0	49.6	56.7	64.3	71.6	73.4	75.8	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	31.1	49.7	56.8	64.4	71.7	73.5	75.9	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000	31.1	49.7	56.8	64.4	71.7	73.5	75.9	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 6000	31.6	50.2	57.3	65.1	72.4	74.2	76.6	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2
≥ 5000	31.9	50.5	57.6	65.4	72.7	74.5	76.9	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	32.3	50.9	58.0	65.7	73.0	74.8	77.2	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4000	33.4	52.0	59.1	67.1	74.4	76.2	78.6	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	33.9	52.8	59.9	67.8	75.2	77.0	79.4	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	35.6	54.9	62.2	70.2	77.5	79.4	81.7	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 2500	36.8	56.6	64.0	72.9	80.5	82.5	84.8	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	38.1	59.2	67.0	76.1	83.9	85.9	88.3	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	38.3	60.4	68.4	77.7	85.8	87.8	90.2	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	38.7	61.2	69.5	79.2	87.5	89.6	91.9	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	38.9	62.6	71.4	81.5	90.3	92.4	94.7	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	38.9	62.8	72.0	82.4	91.5	93.4	96.2	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	38.9	62.9	72.3	82.6	91.6	93.9	96.9	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	38.9	62.9	72.3	82.6	91.7	94.0	97.0	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	38.9	62.9	72.4	82.8	92.4	94.6	97.6	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	38.9	62.9	72.4	82.8	92.4	94.6	97.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	38.9	62.9	72.5	82.9	92.5	94.7	98.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 630



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23112 MARCH AFB CA/RIVERSIDE

7-70, 73-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	210	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
NO CEILING	26.9	38.5	43.8	49.3	57.0	61.6	64.0	65.1	65.7	66.2	66.4	66.5	66.6	66.8	66.9	67.1
≥ 20000	27.6	39.3	44.7	50.2	58.7	62.8	65.2	66.4	67.0	67.5	67.7	67.8	67.9	68.1	68.2	68.4
≥ 18000	27.7	39.3	44.8	50.3	58.8	62.8	65.3	66.5	67.0	67.5	67.8	67.8	68.0	68.1	68.2	68.4
≥ 16000	27.7	39.3	44.8	50.3	58.8	62.8	65.3	66.5	67.0	67.5	67.8	67.8	68.0	68.1	68.3	68.4
≥ 14000	27.7	39.4	44.9	50.4	58.9	63.0	65.4	66.6	67.1	67.7	67.9	68.0	68.1	68.2	68.4	68.6
≥ 12000	27.9	39.6	45.0	50.5	59.1	63.3	65.7	66.9	67.5	68.0	68.2	68.3	68.4	68.5	68.7	68.9
≥ 10000	28.1	39.8	45.3	50.8	59.5	63.6	66.1	67.3	67.8	68.3	68.6	68.7	68.8	68.9	69.1	69.3
≥ 9000	28.1	39.9	45.3	50.9	59.5	63.7	66.1	67.3	67.9	68.4	68.6	68.7	68.9	69.0	69.1	69.3
≥ 8000	28.2	40.0	45.4	51.0	59.7	63.9	66.3	67.5	68.1	68.6	68.8	68.9	69.1	69.2	69.4	69.5
≥ 7000	28.3	40.2	45.6	51.2	59.9	64.1	66.5	67.8	68.3	68.8	69.0	69.1	69.3	69.4	69.6	69.7
≥ 6000	28.5	40.4	45.8	51.4	60.1	64.3	66.8	68.0	68.5	69.0	69.3	69.4	69.5	69.6	69.8	70.0
≥ 5000	28.9	40.8	46.2	51.8	60.5	64.7	67.1	68.4	68.9	69.4	69.6	69.7	69.9	70.0	70.2	70.3
≥ 4500	29.1	41.1	46.5	52.2	60.9	65.0	67.5	68.7	69.2	69.8	70.0	70.1	70.2	70.4	70.5	70.7
≥ 4000	30.3	42.5	48.1	53.9	62.5	66.7	69.2	70.4	71.0	71.5	71.7	71.8	71.9	72.1	72.2	72.4
≥ 3500	31.4	43.9	49.7	55.5	64.2	68.4	70.9	72.1	72.6	73.2	73.4	73.5	73.6	73.8	73.9	74.1
≥ 3000	32.7	45.7	51.6	57.5	66.6	70.7	73.2	74.4	75.0	75.5	75.7	75.8	76.0	76.1	76.2	76.4
≥ 2500	34.0	47.5	53.8	60.0	69.4	73.7	76.2	77.4	78.0	78.5	78.7	78.8	79.0	79.1	79.2	79.4
≥ 2000	35.0	49.5	56.1	62.7	72.4	76.9	79.5	80.9	81.4	81.9	82.2	82.3	82.4	82.5	82.7	82.9
≥ 1800	35.2	50.3	57.0	63.8	73.7	78.3	81.0	82.3	82.9	83.4	83.6	83.7	83.9	84.0	84.1	84.3
≥ 1500	35.8	51.4	58.4	65.6	76.0	80.8	83.4	84.9	85.5	86.0	86.2	86.3	86.4	86.6	86.7	86.9
≥ 1200	36.0	52.3	59.6	67.2	78.2	83.1	86.0	87.5	88.1	88.7	88.9	89.0	89.1	89.2	89.4	89.6
≥ 1000	36.1	52.7	60.1	67.9	79.1	84.1	87.2	88.7	89.4	90.0	90.2	90.3	90.4	90.6	90.7	90.9
≥ 900	36.1	52.9	60.5	68.5	80.0	85.2	88.3	90.0	90.6	91.3	91.5	91.6	91.8	91.9	92.1	92.3
≥ 800	36.1	53.0	60.6	68.7	80.4	85.7	89.0	90.8	91.5	92.2	92.4	92.5	92.7	92.8	93.0	93.2
≥ 700	36.1	53.0	60.7	68.9	80.8	86.2	89.6	91.5	92.1	92.8	93.1	93.2	93.3	93.5	93.6	93.8
≥ 600	36.1	53.1	60.7	69.0	81.0	86.4	90.0	92.1	92.8	93.6	93.9	94.0	94.2	94.3	94.5	94.6
≥ 500	36.1	53.1	60.8	69.1	81.1	86.6	90.4	92.7	93.6	94.5	94.8	94.9	95.1	95.3	95.5	95.7
≥ 400	36.1	53.1	60.8	69.1	81.2	86.8	90.7	93.1	94.1	95.4	95.9	96.0	96.2	96.4	96.7	97.0
≥ 300	36.1	53.1	60.8	69.1	81.2	86.8	90.7	93.3	94.3	95.7	96.5	96.6	97.0	97.2	97.7	98.0
≥ 200	36.1	53.1	60.8	69.1	81.2	86.8	90.8	93.3	94.4	95.9	96.6	96.9	97.5	97.8	98.4	99.1
≥ 100	36.1	53.1	60.8	69.1	81.2	86.8	90.8	93.3	94.4	95.9	96.6	96.9	97.6	98.1	98.7	99.9
≥ 0	36.1	53.1	60.8	69.1	81.2	86.8	90.8	93.3	94.4	95.9	96.6	96.9	97.6	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

7439

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAR

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

67-70, 73-76

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

0000-0200

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
NO CEILING	25.0	38.6	43.0	49.9	60.7	64.9	67.9	69.7	69.8	70.4	70.4	70.4	70.7	70.7	71.1	71.1
≥ 2000	25.2	39.1	43.9	50.2	61.0	65.2	68.2	70.1	70.2	70.9	70.9	70.9	71.1	71.1	71.6	71.6
≥ 1800	25.2	39.1	43.9	50.2	61.0	65.2	68.2	70.1	70.2	70.9	70.9	70.9	71.1	71.1	71.6	71.6
≥ 1600	25.2	39.1	43.9	50.2	61.0	65.2	68.2	70.1	70.2	70.9	70.9	70.9	71.1	71.1	71.6	71.6
≥ 1400	25.2	39.1	43.9	50.2	61.3	65.5	68.6	70.4	70.6	71.2	71.2	71.2	71.4	71.4	71.9	71.9
≥ 1200	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 1000	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 800	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 600	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 400	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 200	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 100	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 0	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 1000	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 800	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 600	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 400	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 200	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 100	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 0	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 1000	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 800	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 600	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 400	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 200	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 100	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 0	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 1000	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 800	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 600	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 400	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 200	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 100	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2
≥ 0	25.3	39.4	44.2	50.5	61.7	65.9	68.9	70.8	70.9	71.6	71.6	71.6	71.8	71.8	72.2	72.2

TOTAL NUMBER OF OBSERVATIONS

000



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23115 MARCH AFB CA/RIVERSIDE

7-70, 73-76

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	23.4	32.2	36.2	39.6	44.2	46.4	51.1	53.3	54.0	54.9	55.4	55.4	56.0	56.1	57.3
≥ 20000	23.9	33.3	37.0	40.3	45.0	47.4	51.1	54.3	55.0	55.9	56.6	56.6	57.2	57.3	58.6
≥ 8000	23.9	33.0	37.0	40.3	45.0	47.4	51.1	54.3	55.0	55.9	56.6	56.6	57.2	57.3	58.6
≥ 6000	23.9	33.0	37.0	40.3	45.0	47.4	51.1	54.3	55.0	55.9	56.6	56.6	57.2	57.3	58.6
≥ 4000	23.9	33.1	37.1	40.7	45.3	47.9	51.6	54.8	55.4	56.3	57.0	57.0	57.7	57.8	59.0
≥ 3000	24.0	33.4	37.4	41.0		48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 2000	24.0	33.4	37.4	41.0		48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 1800	24.0	33.4	37.4	41.0	45.7	48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 1600	24.0	33.4	37.4	41.0	45.7	48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 1400	24.0	33.4	37.4	41.0	45.7	48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 1200	24.0	33.4	37.4	41.0	45.7	48.2	51.9	55.1	55.8	56.7	57.3	57.3	58.0	58.1	59.3
≥ 1000	24.1	33.6	37.6	41.1	45.8	48.3	52.0	55.2	55.9	56.8	57.4	57.4	58.1	58.2	59.4
≥ 800	24.1	33.6	37.6	41.1	45.8	48.3	52.0	55.2	55.9	56.8	57.4	57.4	58.1	58.2	59.4
≥ 600	24.1	33.7	37.7	41.2	45.9	48.4	52.1	55.3	56.0	56.9	57.6	57.6	58.2	58.3	59.6
≥ 400	24.1	33.7	37.7	41.2	45.9	48.4	52.1	55.3	56.0	56.9	57.6	57.6	58.2	58.3	59.6
≥ 300	24.6	34.1	38.2	41.8	46.4	49.1	52.8	56.0	56.7	57.6	58.2	58.2	58.9	59.0	60.2
≥ 200	25.0	34.8	38.9	42.4	47.1	49.8	53.4	56.7	57.3	58.2	58.9	58.9	59.6	59.7	60.9
≥ 100	25.9	37.1	41.3	45.0	49.8	52.4	56.1	59.3	60.0	60.9	61.6	61.6	62.2	62.3	63.6
≥ 80	26.2	38.3	42.9	46.6	51.3	54.0	57.8	61.0	61.7	62.6	63.2	63.2	63.9	64.0	65.2
≥ 60	26.4	39.6	44.3	48.2	53.2	56.1	60.0	63.2	63.9	64.8	65.4	65.4	66.1	66.2	67.4
≥ 40	26.7	40.1	45.0	49.6	54.8	57.9	61.9	65.1	65.8	66.8	67.4	67.4	68.1	68.2	69.4
≥ 20	26.8	40.3	47.3	51.7	57.4	60.7	64.7	67.9	68.6	69.6	70.2	70.2	70.9	71.0	72.2
≥ 10	26.8	40.9	48.3	52.8	59.6	63.3	67.6	70.8	71.4	72.6	73.2	73.2	73.9	74.0	75.2
≥ 5	26.8	41.0	48.6	53.2	60.3	64.1	68.7	72.0	72.8	73.9	74.6	74.6	75.3	75.4	76.7
≥ 3	26.8	41.0	48.6	53.2	60.7	64.6	69.3	73.0	73.9	75.1	75.8	75.8	76.6	76.7	77.9
≥ 2	26.8	41.3	49.0	53.8	61.7	65.8	71.2	75.3	76.4	78.0	78.9	78.9	79.8	79.9	81.1
≥ 1	26.8	41.4	49.1	53.9	61.9	66.0	72.0	75.8	78.1	79.7	80.6	80.6	81.4	81.6	82.9
≥ .5	26.8	41.4	49.1	54.0	62.2	66.3	72.7	78.6	80.9	83.0	84.1	84.1	85.1	85.2	86.6
≥ .25	26.8	41.4	49.1	54.0	62.6	66.7	73.3	79.6	82.4	84.9	86.4	86.6	88.2	88.7	89.8
≥ .1	26.8	41.4	49.1	54.0	62.6	66.7	73.3	79.6	82.6	85.3	87.4	87.6	90.4	91.8	94.0
≥ .05	26.8	41.4	49.1	54.0	62.6	66.7	73.3	79.6	82.6	85.4	87.8	87.9	90.9	92.3	95.6
≥ .01	26.8	41.4	49.1	54.0	62.6	66.7	73.3	79.6	82.6	85.4	87.8	87.9	90.9	92.3	95.6
≥ 0	26.8	41.4	49.1	54.0	62.6	66.7	73.3	79.6	82.6	85.4	87.8	87.9	90.9	92.3	95.6

TOTAL NUMBER OF OBSERVATIONS 900

3

100

23117

1999

494

0600-6200

No. 1.

200

...and, in

0-14-5 (OL A) REVISED FORM OF THE FORM AN ORDER

## CEILING VERSUS VISIBILITY

7-70, 73-78

2900-1105

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 500

USAF ETAC 0-145 (OL) AG MEMPHIS ETAC-47 THE FORM AIR CROCHIN

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	25.6	39.2	45.6	53.2	68.0	76.8	82.6	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 20000	27.0	40.0	46.7	54.6	69.4	78.6	84.6	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 18000	27.0	40.0	46.7	54.6	69.4	78.6	84.9	86.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 16000	27.0	40.0	46.7	54.6	69.4	78.6	84.9	86.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 14000	27.0	40.0	46.7	54.6	69.4	78.6	84.9	86.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 12000	27.0	40.0	46.7	54.7	69.6	78.7	85.0	86.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 10000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 9000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 8000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	27.1	40.1	46.8	54.8	69.7	79.0	85.3	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	27.1	40.1	47.0	55.1	70.0	79.3	85.7	86.9	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	28.0	41.1	48.0	56.1	71.1	80.4	86.8	88.0	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	29.9	43.3	50.6	59.0	74.1	83.4	89.8	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	31.6	45.8	53.8	62.6	78.0	87.3	93.7	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	32.1	46.4	54.7	63.8	80.1	89.4	95.8	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	32.1	46.6	54.9	64.2	80.7	90.0	96.3	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	32.6	47.0	55.4	65.1	81.9	91.2	97.7	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	32.6	47.0	55.4	65.1	81.9	91.2	97.8	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	32.6	47.0	55.4	65.1	81.9	91.2	97.8	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	32.6	47.0	55.4	65.2	82.0	91.3	97.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF STAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

67-70, 73-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	30.0	44.4	51.0	60.3	77.0	84.4	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 20000	30.0	45.0	51.7	61.0	78.9	86.8	89.6	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 18000	30.1	45.1	51.8	61.2	79.1	87.1	89.9	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 16000	30.1	45.1	51.8	61.2	79.1	87.1	89.9	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 14000	30.3	45.3	52.0	61.4	79.3	87.4	90.2	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 12000	30.3	45.4	52.1	61.6	79.4	87.6	90.3	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 10000	30.3	45.4	52.1	61.6	79.4	87.7	90.4	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 9000	30.6	45.7	52.3	61.8	79.7	87.9	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 8000	30.6	45.7	52.3	61.8	79.7	87.9	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000	30.6	45.7	52.3	61.8	79.7	87.9	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 6000	30.6	45.7	52.3	61.8	79.7	87.9	90.7	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	30.7	45.8	52.4	61.9	79.8	88.0	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4500	30.7	45.8	52.4	61.9	79.8	88.0	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	31.1	46.2	53.1	62.8	80.7	88.9	91.7	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	31.4	46.6	53.4	63.1	81.1	89.3	92.1	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	32.7	48.0	55.1	65.0	83.3	91.6	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	33.2	49.2	56.8	67.2	85.9	94.1	97.0	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	33.9	50.1	57.7	68.2	87.1	95.6	98.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	34.0	50.3	57.9	68.4	87.3	95.8	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	34.0	50.3	58.0	68.9	87.8	96.2	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	37.0	54.7	62.4	71.3	83.3	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 20000	37.3	55.3	63.1	72.2	85.0	88.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 18000	37.3	55.6	63.3	72.6	85.3	89.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 16000	37.3	55.6	63.3	72.6	85.3	89.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 14000	37.3	55.7	63.4	72.9	85.7	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 12000	37.3	55.9	63.7	73.1	85.9	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 10000	37.3	55.9	63.7	73.1	85.9	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 9000	37.3	55.9	63.7	73.1	85.9	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 8000	37.3	55.9	63.7	73.1	85.9	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 7000	37.3	55.9	63.7	73.1	85.9	90.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 6000	37.3	55.9	63.7	73.2	86.0	90.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	37.7	56.2	64.0	73.6	86.3	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 4500	37.7	56.2	64.0	73.6	86.3	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 4000	37.9	56.7	64.4	74.2	87.1	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 3500	38.2	57.1	64.9	74.7	87.6	91.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 3000	38.5	57.6	65.4	75.4	88.8	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2500	39.0	58.8	67.0	77.0	90.6	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	39.3	59.9	68.2	78.2	92.1	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	39.3	60.1	68.4	78.4	92.3	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	39.3	60.1	68.6	79.0	93.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	39.3	60.1	68.7	79.1	93.3	98.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	39.3	60.1	68.7	79.1	93.3	98.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	39.3	60.1	68.7	79.1	93.3	98.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	39.3	60.1	68.7	79.1	93.3	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

67-70, 73-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	31.1	50.0	61.3	72.1	81.1	83.1	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	31.4	50.6	61.9	72.8	81.2	83.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 18000	31.4	50.6	62.1	73.0	82.0	84.0	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 16000	31.4	50.8	62.1	73.0	82.0	84.0	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	31.4	50.8	62.1	73.2	82.3	84.3	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 12000	31.4	50.8	62.1	73.2	82.3	84.3	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 10000	31.7	51.0	62.3	73.4	82.6	84.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 9000	31.7	51.0	62.3	73.4	82.6	84.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 8000	31.7	51.0	62.4	73.6	82.7	84.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 7000	31.7	51.0	62.4	73.6	82.7	84.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 6000	31.7	51.0	62.4	73.6	82.7	84.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000	31.7	51.1	62.6	73.7	82.8	84.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4500	31.7	51.1	62.6	73.7	82.8	84.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	31.7	51.1	62.6	74.0	83.1	85.1	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500	31.8	51.3	62.8	74.2	83.3	85.3	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	32.0	51.8	63.2	74.9	84.1	86.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	32.9	53.0	64.8	76.7	86.0	88.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2000	33.4	54.3	66.4	78.4	87.8	90.2	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	33.6	55.2	67.6	79.8	89.1	91.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	33.7	56.7	69.0	81.4	91.1	93.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	33.7	57.3	69.9	82.4	92.4	95.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	34.0	58.0	70.3	83.6	94.1	96.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	34.0	58.0	71.0	83.8	94.3	96.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	34.0	58.0	71.1	84.0	94.6	97.3	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	34.0	58.0	71.1	84.0	94.7	97.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	34.0	58.0	71.1	84.0	94.7	97.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	34.0	58.0	71.2	84.1	94.8	97.8	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
PERIODS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	28.7	41.5	47.3	54.3	64.3	69.3	72.3	73.8	74.3	74.7	74.9	74.9	75.0	75.1	75.2	75.4
≥ 20000	29.0	42.1	48.0	55.0	65.3	70.5	73.7	75.2	75.7	76.2	76.3	76.3	76.5	76.5	76.7	76.9
≥ 18000	29.1	42.2	48.1	55.1	65.4	70.7	73.9	75.4	75.9	76.3	76.5	76.5	76.7	76.7	76.8	77.0
≥ 16000	29.1	42.2	48.1	55.2	65.5	70.7	73.9	75.4	75.9	76.4	76.5	76.5	76.7	76.7	76.9	77.1
≥ 14000	29.2	42.4	48.3	55.4	65.8	71.1	74.3	75.8	76.3	76.8	77.0	77.0	77.1	77.2	77.3	77.5
≥ 12000	29.3	42.6	48.5	55.7	66.1	71.4	74.6	76.1	76.6	77.1	77.2	77.3	77.4	77.4	77.6	77.8
≥ 10000	29.4	42.7	48.6	55.8	66.1	71.5	74.7	76.3	76.8	77.2	77.4	77.4	77.6	77.6	77.7	77.9
≥ 9000	29.4	42.7	48.6	55.8	66.2	71.6	74.8	76.3	76.8	77.3	77.4	77.4	77.6	77.6	77.8	78.0
≥ 8000	29.4	42.7	48.6	55.8	66.2	71.6	74.8	76.3	76.8	77.3	77.4	77.4	77.6	77.6	77.8	78.0
≥ 7000	29.4	42.7	48.6	55.8	66.2	71.6	74.8	76.3	76.8	77.3	77.4	77.4	77.6	77.6	77.8	78.0
≥ 6000	29.4	42.7	48.6	55.8	66.2	71.6	74.8	76.3	76.8	77.3	77.4	77.4	77.6	77.6	77.8	78.0
≥ 5000	29.5	42.8	48.8	55.9	66.3	71.7	74.9	76.4	76.9	77.4	77.6	77.6	77.8	77.8	77.9	78.1
≥ 4500	29.5	42.9	48.8	56.0	66.3	71.7	74.9	76.5	77.0	77.4	77.6	77.6	77.8	77.8	77.9	78.1
≥ 4000	29.6	43.0	49.0	56.3	66.7	72.1	75.3	76.8	77.3	77.8	78.0	78.0	78.1	78.2	78.3	78.5
≥ 3500	30.0	43.6	49.5	56.8	67.3	72.7	75.9	77.4	77.9	78.4	78.5	78.5	78.7	78.7	78.9	79.1
≥ 3000	30.8	44.5	50.6	58.1	68.6	74.0	77.2	78.8	79.3	79.8	79.9	79.9	80.1	80.1	80.3	80.5
≥ 2500	31.6	45.9	52.3	59.9	70.6	76.0	79.2	80.8	81.3	81.8	81.9	81.9	82.1	82.1	82.3	82.5
≥ 2000	32.3	47.6	54.1	62.0	73.0	78.6	81.9	83.4	83.9	84.4	84.6	84.6	84.7	84.8	84.9	85.1
≥ 1800	32.5	48.1	54.8	62.8	73.9	79.5	82.8	84.3	84.8	85.3	85.5	85.5	85.7	85.7	85.8	86.0
≥ 1500	32.7	49.1	56.0	64.2	75.6	81.4	84.7	86.3	86.8	87.3	87.4	87.4	87.6	87.6	87.8	88.0
≥ 1200	32.8	49.5	56.8	65.3	76.9	82.8	86.2	87.8	88.3	88.8	89.0	89.0	89.1	89.2	89.3	89.5
≥ 1000	32.9	49.8	57.4	66.1	78.0	84.1	87.5	89.2	89.7	90.2	90.4	90.4	90.6	90.6	90.8	90.9
≥ 900	32.9	49.9	57.7	66.6	78.6	84.8	88.4	90.2	90.8	91.3	91.4	91.5	91.6	91.6	91.8	92.0
≥ 800	32.9	49.9	57.8	66.8	78.9	85.3	89.0	90.9	91.5	92.0	92.2	92.2	92.4	92.4	92.6	92.8
≥ 700	32.9	49.9	57.8	66.8	79.2	85.6	89.6	91.5	92.2	92.8	92.9	92.9	93.1	93.1	93.3	93.5
≥ 600	32.9	50.0	57.9	67.0	79.4	86.0	90.1	92.3	93.1	93.8	94.0	94.0	94.2	94.2	94.4	94.6
≥ 500	32.9	50.0	57.9	67.0	79.5	86.1	90.5	92.9	93.8	94.5	94.8	94.8	95.1	95.1	95.3	95.5
≥ 400	32.9	50.0	57.9	67.0	79.5	86.2	90.7	93.4	94.5	95.4	95.8	95.8	96.1	96.2	96.4	96.6
≥ 300	32.9	50.0	57.9	67.0	79.6	86.3	90.8	93.6	94.9	96.0	96.6	96.6	97.1	97.3	97.6	97.8
≥ 200	32.9	50.0	57.9	67.0	79.6	86.3	90.8	93.6	94.9	96.1	96.8	96.9	97.7	98.0	98.7	99.3
≥ 100	32.9	50.0	57.9	67.0	79.6	86.3	90.8	93.6	94.9	96.2	96.9	96.9	97.8	98.2	99.0	99.8
≥ 0	32.9	50.0	57.9	67.0	79.6	86.3	90.8	93.6	94.9	96.2	96.9	96.9	97.8	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

67-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING	32.0	56.8	68.5	79.1	87.7	88.0	87.1	89.1	89.2	89.8	89.9	89.9	89.9	89.9	90.1	90.1
≥ 20000	32.2	57.1	68.9	79.6	88.2	88.4	89.6	89.6	89.7	90.2	90.3	90.3	90.3	90.3	90.5	90.5
≥ 18000	32.2	57.1	68.9	79.6	88.2	88.4	89.6	89.6	89.7	90.2	90.3	90.3	90.3	90.3	90.5	90.5
≥ 16000	32.2	57.1	68.9	79.6	88.2	88.4	89.6	89.6	89.7	90.2	90.3	90.3	90.3	90.3	90.5	90.5
≥ 14000	32.4	57.7	69.9	80.6	89.2	89.5	90.6	90.6	90.8	91.3	91.4	91.4	91.4	91.4	91.6	91.6
≥ 12000	33.2	59.1	71.5	82.4	91.0	91.2	92.4	92.4	92.5	93.0	93.1	93.1	93.1	93.1	93.3	93.3
≥ 10000	33.3	59.2	71.6	82.5	91.4	91.6	92.8	92.8	92.9	93.4	93.5	93.5	93.5	93.5	93.8	93.8
≥ 9000	33.3	59.2	71.9	82.8	91.7	91.9	93.1	93.1	93.2	93.8	93.9	93.9	93.9	93.9	94.1	94.1
≥ 8000	33.3	59.5	72.3	83.5	92.5	92.7	93.9	93.9	94.0	94.5	94.6	94.6	94.6	94.6	94.8	94.8
≥ 7000	33.3	59.5	72.3	83.5	92.5	92.7	93.9	93.9	94.0	94.5	94.6	94.6	94.6	94.6	94.8	94.8
≥ 6000	33.3	59.5	72.3	83.7	92.7	92.9	94.1	94.1	94.2	94.7	94.8	94.8	94.8	94.8	95.1	95.1
≥ 5000	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 4500	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 4000	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 3500	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 3000	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 2500	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 2000	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 1800	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 1500	33.3	59.5	72.3	83.7	93.0	93.2	94.4	94.4	94.5	95.2	95.3	95.3	95.3	95.3	95.5	95.5
≥ 1200	33.3	59.7	72.6	84.0	93.3	93.5	94.7	94.7	94.8	95.5	95.6	95.6	95.6	95.6	95.8	95.8
≥ 1000	33.3	60.0	72.9	84.3	93.8	94.0	95.2	95.2	95.3	95.9	96.0	96.0	96.0	96.0	96.2	96.2
≥ 900	33.3	60.3	73.2	84.6	94.4	94.7	95.9	95.9	96.0	96.7	96.8	96.8	96.8	96.8	97.0	97.0
≥ 800	33.3	60.3	73.3	84.7	94.6	94.9	96.1	96.1	96.2	96.9	97.0	97.0	97.0	97.0	97.2	97.2
≥ 700	33.3	60.3	73.3	84.8	94.9	95.3	96.5	96.5	96.6	97.2	97.3	97.3	97.3	97.3	97.5	97.5
≥ 600	33.3	60.4	73.4	84.9	95.1	95.4	96.8	96.8	96.9	97.5	97.6	97.6	97.6	97.6	97.8	97.8
≥ 500	33.3	60.4	73.5	85.1	95.4	95.8	97.2	97.2	97.3	98.0	98.1	98.1	98.1	98.1	98.3	98.3
≥ 400	33.3	60.4	73.7	85.2	95.7	96.1	97.7	97.7	97.8	98.6	98.7	98.7	98.7	98.7	98.9	98.9
≥ 300	33.3	60.4	73.7	85.2	95.8	96.2	98.0	98.1	98.3	99.1	99.2	99.2	99.2	99.2	99.6	99.6
≥ 200	33.3	60.4	73.7	85.2	95.9	96.3	98.1	98.2	98.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0
≥ 100	33.3	60.4	73.7	85.2	95.9	96.3	98.1	98.2	98.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0
≥ 0	33.3	60.4	73.7	85.2	95.9	96.3	98.1	98.2	98.4	99.5	99.6	99.6	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 330

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	28.0	44.9	51.7	61.4	71.9	75.4	77.6	78.7	79.5	80.0	80.3	80.3	81.1	81.2	81.3	81.7
≥ 20000	28.1	45.3	52.0	61.9	72.5	75.9	78.2	79.2	80.0	80.5	80.9	80.9	81.6	81.7	81.8	82.4
≥ 18000	28.1	45.3	52.0	61.9	72.5	75.9	78.2	79.2	80.0	80.5	80.9	80.9	81.6	81.7	81.8	82.4
≥ 16000	28.1	45.3	52.0	61.9	72.5	75.9	78.2	79.2	80.0	80.5	80.9	80.9	81.6	81.7	81.8	82.4
≥ 14000	29.0	46.2	53.2	63.1	73.7	77.1	79.5	80.5	81.3	81.8	82.2	82.2	82.9	83.0	83.1	83.7
≥ 12000	29.9	48.1	55.1	64.9	75.6	79.0	81.5	82.6	83.3	83.9	84.2	84.3	85.1	85.2	85.3	85.8
≥ 10000	29.9	48.2	55.5	65.6	76.7	80.1	82.6	83.7	84.4	84.9	85.3	85.4	86.1	86.2	86.3	86.9
≥ 9000	29.9	48.2	55.5	65.6	76.7	80.1	82.6	83.7	84.4	84.9	85.3	85.4	86.1	86.2	86.3	86.9
≥ 8000	30.0	48.3	55.6	65.9	77.1	80.5	83.0	84.2	84.9	85.5	85.8	85.9	86.7	86.8	86.9	87.4
≥ 7000	30.1	48.5	55.8	66.1	77.3	80.8	83.2	84.4	85.2	85.7	86.0	86.1	86.9	87.0	87.1	87.6
≥ 6000	30.1	48.5	55.8	66.1	77.3	80.8	83.2	84.4	85.2	85.7	86.0	86.1	86.9	87.0	87.1	87.6
≥ 5000	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 4500	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 4000	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 3500	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 3000	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 2500	30.1	48.5	55.8	66.2	77.6	81.1	83.5	84.7	85.5	86.0	86.3	86.5	87.2	87.3	87.4	88.0
≥ 2000	30.1	48.8	56.1	66.6	78.0	81.4	83.9	85.1	85.8	86.3	86.7	86.8	87.5	87.6	87.7	88.3
≥ 1800	30.1	48.8	56.1	66.6	78.0	81.4	83.9	85.1	85.8	86.3	86.7	86.8	87.5	87.6	87.7	88.3
≥ 1500	30.1	48.8	56.1	66.6	78.0	81.4	83.9	85.1	85.8	86.3	86.7	86.8	87.5	87.6	87.7	88.3
≥ 1200	30.1	48.8	56.2	66.7	78.1	81.5	84.0	85.2	85.9	86.5	86.8	86.9	87.6	87.7	87.8	88.4
≥ 1000	30.1	49.0	56.5	67.0	78.6	82.2	84.6	85.9	86.7	87.2	87.5	87.6	88.4	88.5	88.6	89.1
≥ 900	30.1	49.4	56.8	67.3	79.4	83.0	85.7	87.0	87.7	88.3	88.6	88.7	89.5	89.6	89.7	90.2
≥ 800	30.1	49.6	57.1	67.7	79.8	83.4	86.1	87.4	88.2	88.7	89.0	89.1	89.9	90.0	90.1	90.6
≥ 700	30.1	49.6	57.2	68.0	80.0	83.7	86.3	87.6	88.4	88.9	89.2	89.4	90.2	90.3	90.4	91.0
≥ 600	30.1	49.7	57.4	68.3	80.3	84.0	86.9	88.3	89.0	89.6	89.9	90.0	90.9	91.0	91.1	91.6
≥ 500	30.1	49.7	57.4	68.4	80.5	84.4	87.3	89.2	90.1	90.6	91.0	91.1	91.9	92.0	92.2	92.7
≥ 450	30.1	49.7	57.4	68.4	80.5	84.4	88.1	89.9	90.9	91.5	91.8	91.9	92.9	93.0	93.1	93.7
≥ 300	30.1	49.7	57.4	68.4	80.5	84.4	88.2	90.1	91.5	92.5	93.2	93.3	94.6	94.7	94.9	95.6
≥ 200	30.1	49.7	57.4	68.4	80.5	84.4	88.2	90.5	91.9	93.0	94.3	94.4	96.3	96.9	97.7	99.0
≥ 100	30.1	49.7	57.4	68.4	80.5	84.4	88.2	90.5	91.9	93.1	94.5	94.6	96.7	97.2	98.5	99.9
≥ 0	30.1	49.7	57.4	68.4	80.5	84.4	88.2	90.5	91.9	93.1	94.5	94.6	96.7	97.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO TESTING	35.7	57.0	65.2	73.8	82.6	86.3	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥20000	36.3	57.8	66.0	74.8	83.7	87.6	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥18000	36.3	57.8	66.0	74.9	83.8	87.7	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 6000	36.3	57.8	66.0	74.9	83.8	87.7	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥4000	38.1	59.8	68.2	77.3	86.1	90.1	91.7	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000	39.7	61.8	70.2	79.6	88.4	92.5	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥3000	40.3	63.0	71.4	81.2	90.0	94.2	95.9	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 9000	40.3	63.0	71.4	81.2	90.0	94.2	95.9	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥8000	40.3	63.2	71.8	81.7	90.5	94.7	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 7000	40.3	63.2	71.8	81.9	90.8	94.9	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥6000	40.3	63.2	71.8	81.9	90.8	94.9	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 5000	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥4500	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4000	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥3500	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3000	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥2500	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	40.3	63.2	71.9	82.0	90.9	95.1	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥1800	40.3	63.7	72.4	82.5	91.3	95.5	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	40.3	63.7	72.4	82.5	91.3	95.5	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥1200	40.3	63.7	72.4	82.7	91.6	95.8	98.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	40.3	63.7	72.4	82.7	91.6	95.9	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥900	40.3	63.7	72.4	82.7	91.6	95.9	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	40.3	63.7	72.4	82.7	91.6	95.9	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	40.3	63.7	72.4	82.7	91.6	95.9	98.3	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥500	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥100	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	40.3	63.7	72.4	82.7	91.6	95.9	98.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 5	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .02	≥ .01	≥ 0
NO CEILING	23.4	46.2	57.6	68.4	80.9	86.3	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	23.7	46.5	58.2	68.9	81.5	87.3	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	23.8	46.6	58.4	69.1	82.0	87.5	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	23.9	46.8	58.7	69.5	82.4	87.8	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 750	25.1	48.7	61.1	71.8	84.8	90.3	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 500	26.3	50.6	63.1	74.3	87.4	93.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 300	27.1	51.6	64.1	75.5	89.2	95.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	27.2	51.9	64.5	75.9	89.8	95.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 150	27.7	52.5	65.2	76.6	90.4	96.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	27.7	52.5	65.2	76.6	90.4	96.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 75	27.8	52.8	65.7	77.1	91.0	97.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 50	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 30	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 15	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 7.5	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .5	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .3	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .2	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .1	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .05	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .03	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .02	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ .01	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	27.8	52.8	65.8	77.3	91.2	97.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-76, 73-75

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS:

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	210	21	20	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	31.4	57.0	66.6	75.8	86.8	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 20000	31.8	57.8	67.6	77.7	88.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 18000	31.9	58.1	67.8	77.2	88.3	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 16000	32.0	58.5	68.3	77.6	88.7	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 14000	32.9	60.5	70.4	79.8	91.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 12000	33.9	61.8	72.4	81.8	93.2	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 10000	34.6	62.6	73.1	82.9	94.6	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	34.7	62.7	73.2	83.1	94.8	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 8000	34.9	62.9	73.5	83.3	95.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	34.9	63.1	73.8	83.5	95.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 6000	34.9	63.3	74.0	83.9	95.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	35.1	63.5	74.2	84.1	95.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	35.1	63.5	74.2	84.1	95.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	35.2	63.8	74.4	84.3	96.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	35.2	63.8	74.5	84.4	96.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	46.6	74.1	51.1	88.0	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 20000	47.6	75.4	82.4	89.4	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 18000	47.7	75.5	82.5	89.5	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	47.8	75.6	82.6	89.6	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 14000	48.4	75.7	83.7	90.5	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 12000	49.4	78.3	85.6	92.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 10000	50.3	79.5	87.0	94.2	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 9000	50.3	79.6	87.2	94.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	50.6	80.1	87.7	94.9	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	50.8	80.3	88.0	95.2	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 6000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	51.0	80.5	88.2	95.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21117 MARCH AFB CA/RIVERSIDE

7-70, 73-73

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	41.3	76.1	84.9	91.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	41.4	76.5	85.3	92.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800	41.4	76.5	85.3	92.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1600	41.4	76.5	85.3	92.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1400	41.6	77.4	86.2	93.0	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	42.6	78.8	88.0	94.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	42.9	79.1	88.4	95.5	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	42.9	79.1	88.4	95.5	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	42.9	79.6	89.4	96.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	42.9	79.6	89.4	96.7	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	42.9	79.6	89.4	96.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 450	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 350	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1600	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1400	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	42.9	79.6	89.4	96.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 450	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	42.9	79.7	89.5	96.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

-7-70, 73-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
NO LIMIT	32.7	55.9	64.7	73.4	82.2	85.2	86.5	86.9	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.8
≥ 7000	33.1	56.5	65.4	74.2	83.1	86.1	87.4	87.9	88.1	88.3	88.4	88.4	88.4	88.4	88.7	88.8
≥ 6000	33.1	56.6	65.4	74.3	83.2	86.1	87.5	88.0	88.2	88.4	88.5	88.5	88.5	88.7	88.8	88.9
≥ 5000	33.2	56.7	65.5	74.4	83.3	86.3	87.6	88.1	88.3	88.5	88.6	88.6	88.6	88.8	88.9	89.0
≥ 4000	34.1	58.1	67.1	76.0	85.0	87.9	89.3	89.8	90.0	90.2	90.3	90.3	90.5	90.5	90.6	90.7
≥ 3000	35.1	59.7	68.9	78.0	87.0	90.1	91.6	92.0	92.3	92.5	92.6	92.6	92.6	92.8	92.9	93.1
≥ 2000	35.6	60.4	69.7	79.0	88.3	91.5	93.0	93.5	93.8	94.0	94.1	94.1	94.3	94.3	94.4	94.5
≥ 1000	35.6	60.5	69.9	79.2	88.5	91.7	93.2	93.7	94.0	94.2	94.3	94.3	94.5	94.5	94.6	94.7
≥ 800	35.8	60.8	70.3	79.7	89.1	92.4	93.9	94.4	94.6	94.9	95.0	95.0	95.1	95.2	95.3	95.4
≥ 700	35.8	60.9	70.4	79.9	89.3	92.6	94.1	94.6	94.9	95.1	95.2	95.2	95.4	95.5	95.6	95.7
≥ 600	35.8	61.0	70.5	80.0	89.5	92.7	94.4	94.8	95.1	95.3	95.4	95.5	95.6	95.7	95.8	95.9
≥ 500	35.9	61.0	70.6	80.1	89.6	92.9	94.5	95.0	95.3	95.6	95.6	95.7	95.8	95.9	96.0	96.1
≥ 450	35.9	61.0	70.6	80.1	89.6	92.9	94.5	95.0	95.3	95.6	95.6	95.7	95.8	95.9	96.0	96.1
≥ 400	35.9	61.0	70.6	80.1	89.7	92.9	94.6	95.0	95.3	95.6	95.7	95.7	95.8	95.9	96.0	96.1
≥ 350	35.9	61.0	70.6	80.1	89.7	92.9	94.6	95.0	95.3	95.6	95.7	95.7	95.9	95.9	96.0	96.1
≥ 300	35.9	61.0	70.6	80.1	89.7	92.9	94.6	95.0	95.3	95.6	95.7	95.7	95.9	95.9	96.0	96.1
≥ 250	35.9	61.0	70.6	80.1	89.7	92.9	94.6	95.0	95.3	95.6	95.7	95.7	95.9	95.9	96.0	96.2
≥ 200	35.9	61.2	70.7	80.3	89.8	93.1	94.7	95.2	95.4	95.7	95.8	95.9	96.0	96.1	96.2	96.3
≥ 180	35.9	61.2	70.8	80.3	89.8	93.1	94.7	95.2	95.5	95.8	95.9	95.9	96.0	96.1	96.2	96.3
≥ 150	35.9	61.2	70.8	80.3	89.9	93.1	94.8	95.2	95.5	95.8	95.9	95.9	96.1	96.2	96.3	96.4
≥ 120	35.9	61.2	70.8	80.4	90.0	93.3	94.9	95.4	95.7	96.0	96.1	96.2	96.3	96.4	96.5	96.6
≥ 100	35.9	61.3	70.9	80.5	90.1	93.5	95.2	95.7	96.0	96.3	96.4	96.4	96.5	96.6	96.7	96.8
≥ 90	35.9	61.4	71.0	80.6	90.2	93.7	95.4	95.9	96.2	96.5	96.6	96.7	96.8	96.9	97.0	97.1
≥ 80	35.9	61.4	71.1	80.7	90.3	93.8	95.5	96.0	96.3	96.6	96.7	96.8	96.9	97.0	97.1	97.2
≥ 70	35.9	61.4	71.1	80.7	90.5	93.9	95.6	96.1	96.5	96.8	96.9	96.9	97.1	97.2	97.3	97.4
≥ 60	35.9	61.5	71.1	80.8	90.6	94.0	95.8	96.4	96.8	97.1	97.2	97.2	97.4	97.5	97.6	97.7
≥ 50	35.9	61.5	71.1	80.8	90.6	94.1	96.0	96.7	97.1	97.5	97.6	97.7	97.9	97.9	98.0	98.2
≥ 40	35.9	61.5	71.2	80.8	90.7	94.2	96.2	96.9	97.4	97.8	98.0	98.1	98.3	98.3	98.5	98.6
≥ 300	35.9	61.5	71.2	80.8	90.7	94.2	96.2	97.0	97.5	98.0	98.3	98.4	98.7	98.8	99.0	99.1
≥ 200	35.9	61.5	71.2	80.8	90.7	94.2	96.2	97.0	97.5	98.1	98.6	98.7	99.0	99.2	99.5	99.6
≥ 100	35.9	61.5	71.2	80.8	90.7	94.2	96.2	97.0	97.6	98.1	98.6	98.7	99.1	99.2	99.7	100.0
≥ 0	35.9	61.5	71.2	80.8	90.7	94.2	96.2	97.0	97.6	98.1	98.6	98.7	99.1	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70, 73-78  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	29.1	56.1	68.7	79.4	86.1	87.8	88.8	89.4	89.5	89.6	89.7	89.8	89.9	89.9	89.9	90.0
≥ 20000	29.1	56.3	69.0	79.7	86.5	88.2	89.1	89.7	89.8	89.9	90.0	90.1	90.2	90.2	90.2	90.3
≥ 18000	29.1	56.3	69.0	79.7	86.5	88.2	89.1	89.7	89.8	89.9	90.0	90.1	90.2	90.2	90.2	90.3
≥ 16000	29.2	56.5	69.1	79.8	86.6	88.3	89.2	89.8	89.9	90.0	90.1	90.2	90.3	90.3	90.3	90.4
≥ 14000	29.4	57.6	70.3	81.0	87.7	89.5	90.4	91.0	91.1	91.2	91.3	91.4	91.5	91.5	91.5	91.6
≥ 12000	30.2	58.9	71.7	82.4	89.1	90.9	91.8	92.4	92.5	92.6	92.7	92.8	92.9	92.9	92.9	93.0
≥ 10000	30.3	59.5	72.6	83.3	90.1	91.9	92.9	93.4	93.5	93.7	93.8	93.9	94.0	94.0	94.0	94.1
≥ 9000	30.8	60.0	73.1	83.9	90.6	92.5	93.4	94.0	94.1	94.2	94.3	94.4	94.5	94.5	94.5	94.6
≥ 8000	30.8	60.0	73.1	83.9	90.8	92.6	92.5	94.1	94.2	94.3	94.4	94.5	94.6	94.6	94.6	94.7
≥ 7000	30.8	60.3	73.4	84.2	91.1	92.9	93.9	94.4	94.5	94.6	94.7	94.8	94.9	94.9	94.9	95.1
≥ 6000	30.9	60.4	73.5	84.3	91.2	93.0	94.0	94.5	94.6	94.7	94.8	94.9	95.1	95.1	95.1	95.2
≥ 5000	31.0	60.5	73.7	84.4	91.3	93.1	94.1	94.6	94.7	94.8	94.9	95.1	95.2	95.2	95.2	95.3
≥ 4500	31.0	60.5	73.7	84.4	91.3	93.1	94.1	94.6	94.7	94.8	94.9	95.1	95.2	95.2	95.2	95.3
≥ 4000	31.1	60.6	73.8	84.5	91.4	93.2	94.2	94.7	94.8	94.9	95.1	95.2	95.3	95.3	95.3	95.4
≥ 3500	31.1	60.6	73.8	84.5	91.4	93.2	94.2	94.7	94.8	94.9	95.1	95.2	95.3	95.3	95.3	95.4
≥ 3000	31.1	60.6	73.8	84.5	91.4	93.2	94.2	94.7	94.8	94.9	95.1	95.2	95.3	95.3	95.3	95.4
≥ 2500	31.2	60.8	73.9	84.6	91.5	93.3	94.3	94.8	94.9	95.1	95.2	95.3	95.4	95.4	95.4	95.5
≥ 2000	31.2	60.9	74.0	84.7	91.6	93.4	94.4	94.9	95.1	95.2	95.3	95.4	95.5	95.5	95.5	95.6
≥ 1800	31.3	61.1	74.2	84.9	91.8	93.7	94.6	95.2	95.3	95.4	95.5	95.6	95.7	95.7	95.7	95.8
≥ 1500	31.3	61.7	74.8	85.6	92.5	94.3	95.3	95.8	95.9	96.0	96.1	96.2	96.3	96.3	96.3	96.5
≥ 1200	31.3	62.4	75.7	86.5	93.3	95.2	96.1	96.7	96.8	96.9	97.0	97.1	97.2	97.2	97.2	97.3
≥ 1000	31.3	62.4	75.7	86.5	93.3	95.2	96.1	96.7	96.8	96.9	97.0	97.1	97.2	97.2	97.2	97.3
≥ 900	31.3	62.4	76.0	86.8	93.7	95.5	96.5	97.3	97.4	97.5	97.6	97.7	97.8	97.8	97.8	98.0
≥ 800	31.3	62.4	76.0	86.8	93.7	95.5	96.5	97.3	97.4	97.5	97.6	97.7	97.8	97.8	97.8	98.0
≥ 700	31.3	62.4	76.0	86.8	93.7	95.7	96.8	97.6	97.7	97.8	98.0	98.1	98.2	98.2	98.2	98.3
≥ 600	31.3	62.4	76.0	86.8	93.7	95.7	96.8	97.6	97.7	97.8	98.0	98.1	98.2	98.2	98.2	98.3
≥ 500	31.3	62.4	76.0	86.8	93.7	95.7	96.8	97.6	97.7	97.8	98.0	98.1	98.2	98.2	98.2	98.3
≥ 400	31.3	62.4	76.0	86.8	93.7	95.7	97.0	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.8	98.9
≥ 300	31.3	62.4	76.0	86.8	93.8	95.8	97.1	98.4	98.5	99.0	99.1	99.2	99.4	99.5	99.5	99.6
≥ 200	31.3	62.4	76.0	86.8	93.8	95.8	97.1	98.4	98.5	99.0	99.1	99.2	99.4	99.5	99.5	99.6
≥ 100	31.3	62.4	76.0	86.8	93.8	95.8	97.1	98.4	98.5	99.0	99.1	99.2	99.4	99.5	99.7	99.9
≥ 0	31.3	62.4	76.0	86.8	93.8	95.8	97.1	98.4	98.5	99.0	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	24.7	44.3	54.4	65.6	75.4	76.7	79.5	80.8	80.9	81.7	82.3	82.4	82.6	83.0	83.7	84.4
≥ 20000	24.7	44.5	54.6	65.8	75.6	77.0	79.8	81.1	81.2	82.0	82.6	82.7	83.1	83.3	84.0	84.7
≥ 18000	24.8	44.6	54.7	65.9	75.7	77.2	80.0	81.3	81.4	82.3	82.8	82.9	83.3	83.5	84.2	84.9
≥ 16000	24.8	44.6	54.7	65.9	75.7	77.2	80.0	81.3	81.4	82.3	82.8	82.9	83.3	83.5	84.2	84.9
≥ 14000	24.8	45.3	55.5	66.9	76.7	79.2	81.0	82.3	82.4	83.2	83.8	83.9	84.3	84.5	85.2	85.9
≥ 12000	25.6	46.2	56.5	68.0	77.8	79.4	82.2	83.4	83.5	84.4	84.9	85.1	85.5	85.7	86.3	87.1
≥ 10000	25.7	47.1	57.4	69.0	78.9	80.4	83.2	84.5	84.6	85.5	86.0	86.1	86.6	86.8	87.4	88.2
≥ 9000	26.1	47.5	57.8	69.5	79.4	80.9	83.7	84.9	85.1	85.9	86.5	86.6	87.0	87.2	87.8	88.6
≥ 8000	26.2	47.6	58.0	69.6	79.5	81.0	83.8	85.1	85.2	86.0	86.6	86.7	87.1	87.3	88.0	88.7
≥ 7000	26.2	47.6	58.0	69.6	79.6	81.2	84.1	85.4	85.5	86.3	86.9	87.0	87.4	87.6	88.3	89.0
≥ 6000	26.2	47.6	58.0	69.6	79.6	81.2	84.1	85.4	85.5	86.3	86.9	87.0	87.4	87.6	88.3	89.0
≥ 5000	26.3	47.7	58.1	69.7	79.7	81.3	84.2	85.5	85.6	86.5	87.0	87.1	87.5	87.7	88.4	89.1
≥ 4500	26.6	48.0	58.3	69.9	79.9	81.5	84.4	85.7	85.8	86.7	87.2	87.3	87.7	88.0	88.6	89.4
≥ 4000	26.6	48.0	58.3	69.9	79.9	81.5	84.4	85.7	85.8	86.7	87.2	87.3	87.7	88.0	88.6	89.4
≥ 3500	26.6	48.0	58.3	69.9	79.9	81.5	84.4	85.7	85.8	86.7	87.2	87.3	87.7	88.0	88.6	89.4
≥ 3000	26.6	48.0	58.3	69.9	79.9	81.5	84.4	85.7	85.8	86.7	87.2	87.3	87.7	88.0	88.6	89.4
≥ 2500	27.0	48.6	58.9	70.5	80.5	82.2	85.1	86.3	86.5	87.3	87.8	88.0	88.4	88.6	89.2	90.0
≥ 2000	27.0	48.8	59.1	70.8	80.9	82.5	85.4	86.7	86.8	87.6	88.2	88.3	88.7	88.9	89.6	90.3
≥ 1800	27.3	49.6	59.9	71.5	81.6	83.2	86.1	87.4	87.5	88.4	88.9	89.0	89.5	89.7	90.3	91.1
≥ 1500	27.6	50.2	60.5	72.2	82.4	84.0	86.9	88.2	88.3	89.1	89.7	89.8	90.2	90.4	91.1	91.8
≥ 1200	27.6	50.2	60.5	72.2	82.4	84.0	86.9	88.2	88.3	89.1	89.7	89.8	90.2	90.4	91.1	91.8
≥ 1000	27.6	50.4	60.8	72.4	82.7	84.3	87.2	88.5	88.6	89.5	90.0	90.1	90.5	90.8	91.4	92.2
≥ 900	27.6	50.4	60.8	72.4	82.7	84.3	87.2	88.5	88.6	89.5	90.0	90.1	90.5	90.8	91.4	92.2
≥ 800	27.6	50.4	60.8	72.4	82.7	84.3	87.2	88.5	88.6	89.5	90.0	90.1	90.5	90.8	91.4	92.2
≥ 700	27.6	50.4	60.8	72.4	82.7	84.4	87.5	89.2	89.4	90.2	90.8	90.9	91.2	91.5	92.2	92.9
≥ 600	27.6	50.4	60.8	72.4	82.9	84.8	88.0	89.9	90.0	90.9	91.4	91.5	91.9	92.2	92.8	93.5
≥ 500	27.6	50.4	60.8	72.4	83.0	84.9	88.1	90.0	90.2	91.2	91.7	91.8	92.3	92.5	93.1	93.9
≥ 400	27.6	50.4	60.8	72.4	83.2	85.2	88.6	91.2	91.4	92.4	93.1	93.2	93.9	94.1	94.7	95.5
≥ 300	27.6	50.4	60.8	72.4	83.2	85.2	88.6	91.2	91.5	93.0	93.9	94.1	94.8	95.1	95.7	96.5
≥ 200	27.6	50.4	60.8	72.4	83.2	85.2	88.6	91.2	91.5	93.3	94.3	94.5	95.4	95.9	96.8	97.5
≥ 100	27.6	50.4	60.8	72.4	83.2	85.2	88.6	91.2	91.5	93.3	94.3	94.5	95.4	95.9	97.4	99.2
≥ 0	27.6	50.4	60.8	72.4	83.2	85.2	88.6	91.2	91.5	93.3	94.3	94.5	95.4	95.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

67-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	24.8	37.5	41.7	48.4	59.4	66.8	71.4	73.7	74.2	75.4	76.0	76.1	76.3	76.7	77.1	77.8
≥ 20000	24.9	38.0	42.2	48.8	60.1	67.5	72.2	74.8	75.4	76.6	77.2	77.3	77.5	77.8	78.3	79.0
≥ 18000	24.9	38.0	42.2	48.8	60.1	67.5	72.3	74.9	75.5	76.7	77.3	77.4	77.6	78.0	78.4	79.1
≥ 16000	25.2	38.2	42.4	49.0	60.3	67.7	72.5	75.2	75.7	76.9	77.5	77.6	77.8	78.2	78.6	79.4
≥ 14000	25.5	39.1	43.7	50.5	62.0	69.5	74.2	76.9	77.4	78.6	79.2	79.4	79.6	79.9	80.3	81.1
≥ 12000	25.9	39.7	44.3	51.4	63.4	70.9	75.0	78.5	79.0	80.2	80.9	81.0	81.2	81.5	81.9	82.7
≥ 10000	26.5	40.4	45.1	52.4	64.6	72.0	76.8	79.7	80.2	81.4	82.0	82.2	82.4	82.7	83.1	83.9
≥ 9000	26.6	40.5	45.2	52.5	64.7	72.2	76.9	79.8	80.3	81.5	82.2	82.3	82.5	82.8	83.2	84.0
≥ 8000	26.6	40.5	45.2	52.5	64.8	72.3	77.0	80.0	80.5	81.7	82.4	82.5	82.7	83.0	83.4	84.2
≥ 7000	26.6	40.5	45.2	52.7	65.1	72.7	77.4	80.4	81.0	82.2	82.8	82.9	83.1	83.4	83.9	84.6
≥ 6000	26.9	40.9	45.5	53.0	65.4	73.0	77.7	80.0	81.3	82.5	83.1	83.2	83.4	83.8	84.2	84.9
≥ 5000	27.1	41.1	45.7	53.2	65.6	73.2	78.0	81.0	81.5	82.7	83.3	83.4	83.7	84.0	84.4	85.2
≥ 4500	27.1	41.1	45.7	53.2	65.6	73.2	78.0	81.0	81.5	82.7	83.3	83.4	83.7	84.0	84.4	85.2
≥ 4000	27.1	41.1	45.7	53.2	65.6	73.2	78.0	81.0	81.5	82.7	83.3	83.4	83.7	84.0	84.4	85.2
≥ 3500	27.4	41.5	46.1	53.7	66.0	73.7	78.4	81.4	81.9	83.1	83.8	83.9	84.1	84.4	84.8	85.6
≥ 3000	27.7	41.8	46.5	54.0	66.3	74.0	78.8	81.9	82.6	83.8	84.4	84.5	84.7	85.1	85.5	86.2
≥ 2500	28.3	42.6	47.3	54.8	67.2	74.8	79.7	82.8	83.4	84.6	85.3	85.4	85.6	85.9	86.3	87.1
≥ 2000	28.7	43.1	47.8	55.4	67.8	75.5	80.3	83.4	84.1	85.3	85.9	86.0	86.2	86.6	87.0	87.7
≥ 1800	29.1	43.7	48.4	55.9	68.4	76.0	80.9	84.0	84.6	85.8	86.5	86.6	86.8	87.1	87.5	88.3
≥ 1500	29.2	43.8	48.5	56.0	68.5	76.1	81.0	84.1	84.7	85.9	86.6	86.7	86.9	87.2	87.6	88.4
≥ 1200	29.2	44.0	48.7	56.5	69.0	76.7	81.5	84.6	85.3	86.5	87.1	87.2	87.4	87.7	88.2	88.9
≥ 1000	29.2	44.0	48.8	56.6	69.2	76.9	81.7	84.9	85.6	86.8	87.4	87.5	87.7	88.1	88.5	89.2
≥ 900	29.2	44.0	48.8	56.6	69.2	77.0	81.8	85.4	86.0	87.2	87.8	88.0	88.2	88.5	88.9	89.7
≥ 800	29.2	44.0	48.8	56.6	69.5	77.3	82.2	85.9	86.6	87.7	88.4	88.5	88.7	89.0	89.5	90.2
≥ 700	29.2	44.0	48.8	56.6	69.5	77.3	82.4	86.5	87.1	88.3	88.9	89.0	89.2	89.7	90.1	90.9
≥ 600	29.2	44.0	48.8	56.7	69.6	77.4	82.5	86.9	87.5	88.7	89.4	89.5	89.7	90.1	90.5	91.3
≥ 500	29.2	44.0	48.8	56.7	69.7	77.6	83.0	87.6	88.6	89.8	90.5	90.6	91.0	91.4	91.8	92.5
≥ 400	29.2	44.0	48.8	56.8	69.8	77.7	83.1	88.3	89.5	91.2	92.3	93.0	93.3	93.9	94.4	95.2
≥ 300	29.2	44.0	48.8	56.8	69.8	77.7	83.1	88.4	89.7	92.0	93.3	94.2	94.6	95.3	96.0	97.2
≥ 200	29.2	44.0	48.8	56.8	69.8	77.7	83.2	88.5	89.8	92.3	93.7	94.7	95.4	96.0	96.9	98.7
≥ 100	29.2	44.0	48.8	56.8	69.8	77.7	83.2	88.5	89.8	92.3	93.7	94.7	95.4	96.0	97.0	99.7
≥ 0	29.2	44.0	48.8	56.8	69.8	77.7	83.2	88.5	89.8	92.3	93.7	94.7	95.4	96.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

67-70,73-78  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING	39.5	57.2	64.4	72.9	84.2	87.8	89.5	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 20000	40.0	57.0	65.1	73.5	85.3	88.9	90.6	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 18000	40.1	58.2	65.4	73.9	85.6	89.2	91.0	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	40.2	58.3	65.5	74.0	85.7	89.4	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 14000	40.9	59.1	66.3	75.1	87.0	90.8	92.5	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 12000	41.6	60.0	67.3	76.0	88.1	92.0	94.1	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	41.7	60.5	67.8	76.6	88.6	92.6	94.6	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 9000	41.7	60.5	67.8	76.6	88.6	92.6	94.6	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 8000	41.9	60.8	68.1	76.8	88.8	92.8	94.8	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 7000	42.0	60.9	68.2	76.9	89.0	93.1	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 6000	42.4	61.2	68.5	77.2	89.4	93.4	95.5	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 5000	42.4	61.2	68.5	77.2	89.4	93.4	95.5	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4500	42.4	61.2	68.5	77.2	89.4	93.4	95.5	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4000	42.5	61.3	68.6	77.3	89.5	93.5	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	43.1	61.9	69.2	78.0	90.1	94.2	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	43.2	62.2	69.5	78.2	90.3	94.5	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	43.7	62.6	69.9	78.6	90.8	94.9	97.1	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	43.7	62.7	70.0	78.7	90.9	95.1	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	43.7	62.7	70.1	78.9	91.1	95.3	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	43.7	62.7	70.1	78.9	91.1	95.4	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	43.7	62.7	70.2	79.0	91.2	95.5	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	43.7	62.7	70.2	79.1	91.3	95.7	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	43.7	62.7	70.3	79.4	91.6	96.0	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	43.7	62.7	70.3	79.4	91.6	96.1	98.5	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	29.4	49.6	59.2	70.8	84.3	90.0	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 20000	29.7	49.9	59.7	71.3	85.4	90.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 18000	29.7	49.9	59.7	71.3	85.4	90.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 16000	29.8	50.0	59.8	71.4	85.5	91.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 14000	30.4	50.9	61.0	73.3	87.5	93.0	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 12000	31.4	52.0	62.2	74.5	88.8	94.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	32.2	52.8	62.9	75.4	89.7	95.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 9000	32.3	52.9	63.0	75.6	89.9	95.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	32.3	52.9	63.0	75.6	89.9	95.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 7000	32.4	53.0	63.1	75.7	90.0	95.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 6000	32.5	53.1	63.2	75.8	90.1	96.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 5000	32.5	53.1	63.2	75.8	90.1	96.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4500	32.7	53.3	63.4	76.0	90.3	96.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 4000	32.7	53.3	63.4	76.0	90.3	96.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500	32.8	53.4	63.5	76.1	90.5	96.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3000	32.9	53.7	63.8	76.3	90.8	96.9	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 00	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	32.9	53.9	64.0	76.6	91.0	97.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

67-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.0	57.7	68.4	78.1	88.5	92.6	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
≥ 20000	31.3	58.1	68.9	78.9	89.2	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
≥ 18000	31.3	58.2	69.0	79.0	89.3	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 16000	31.6	58.6	69.4	79.4	89.8	93.9	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 14000	32.0	59.8	70.6	80.7	91.1	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
≥ 12000	32.4	60.6	71.4	81.7	92.0	96.4	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3
≥ 10000	33.1	61.2	72.1	82.4	92.8	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 9000	33.1	61.3	72.2	82.5	92.9	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 8000	33.3	61.5	72.4	82.8	93.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 7000	33.4	61.6	72.5	83.0	93.3	97.7	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 6000	33.5	61.7	72.6	83.1	93.4	97.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 5000	33.5	61.7	72.6	83.4	93.8	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 4500	33.6	61.9	72.7	83.5	93.9	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 4000	33.8	62.1	73.0	83.8	94.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 3500	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 3000	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 2500	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 2000	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 1800	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 1500	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 1200	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 1000	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 900	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 800	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 700	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 600	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 500	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 400	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 300	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 200	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 100	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
≥ 0	33.9	62.2	73.1	83.9	94.3	98.7	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 928

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	47.9 48.8	74.4 75.5	82.8 84.0	88.7 89.9	92.9 94.2	93.5 94.8	93.5 94.8	93.6 94.9	93.7 95.0	93.7 95.0	93.7 95.0	93.7 95.0	93.7 95.0	93.7 95.0	93.7 95.0	93.7 95.0
IV 15000	48.8	75.5	84.0	89.9	94.2	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 14000	48.9	75.7	84.3	90.1	94.4	95.0	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 12000	49.3	77.0	85.7	91.5	95.0	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 10000	49.7	77.9	86.5	92.3	96.7	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 9000	49.8	78.2	86.8	92.7	97.0	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 8000	50.2	78.6	87.3	93.1	97.4	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 7000	50.4	79.0	87.6	93.4	97.7	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 6000	50.8	79.5	88.1	94.0	98.3	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	50.8	79.5	88.2	94.1	98.4	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4500	50.8	79.6	88.3	94.2	98.5	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4000	50.8	79.6	88.3	94.2	98.5	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3500	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	50.9	79.8	88.6	94.4	98.7	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

67-70,73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	40.4	72.1	82.0	89.2	92.2	93.5	93.7	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 23000	40.4	72.4	82.2	89.4	92.4	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 18000	40.4	72.4	82.2	89.4	92.4	93.7	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 16000	40.6	72.6	82.4	89.6	92.7	94.0	94.2	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 14000	40.7	73.4	83.4	90.6	93.6	94.9	95.1	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 12000	41.5	74.7	84.7	91.9	94.9	96.2	96.4	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	42.1	75.8	85.7	93.0	96.0	97.3	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 9000	42.1	75.8	85.7	93.0	96.0	97.3	97.5	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 8000	42.3	76.0	86.0	93.2	96.2	97.5	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 7000	42.4	76.3	86.3	93.5	96.5	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 6000	42.4	76.3	86.3	93.5	96.5	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 5000	42.4	76.3	86.4	93.6	96.7	97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500	42.4	76.3	86.4	93.6	96.7	97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000	42.4	76.3	86.4	93.6	96.7	97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3500	42.4	76.3	86.4	93.6	96.7	97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3000	42.4	76.6	86.6	93.8	96.9	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	42.4	76.6	86.6	93.8	96.9	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	42.5	76.8	86.8	94.1	97.1	98.4	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	42.5	76.9	86.9	94.2	97.2	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	42.7	77.0	87.0	94.3	97.5	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	42.7	77.1	87.1	94.4	97.6	99.0	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	42.7	77.2	87.3	94.5	97.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	42.7	77.2	87.3	94.5	97.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	42.7	77.2	87.3	94.5	97.7	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	42.7	77.2	87.3	94.5	97.7	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	42.7	77.2	87.3	94.5	97.8	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 926

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 HARCH AFB CA/RIVERSIDE

7-70, 73-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING	33.3	56.1	65.2	74.1	82.9	86.1	87.8	88.4	88.5	88.8	89.0	89.0	89.1	89.2	89.3	89.5
≥ 20000	33.6	56.5	65.7	74.6	83.6	86.8	88.5	89.2	89.3	89.6	89.7	89.8	89.9	89.9	90.1	90.3
≥ 15000	33.6	56.6	65.8	74.7	83.6	86.9	88.6	89.3	89.4	89.7	89.8	89.9	90.0	90.0	90.2	90.4
≥ 10000	33.8	56.8	65.9	74.9	83.8	87.0	88.7	89.4	89.6	89.9	90.0	90.1	90.1	90.2	90.4	90.6
≥ 7500	34.1	57.8	67.0	76.2	85.2	88.4	90.1	90.6	90.9	91.2	91.4	91.4	91.5	91.6	91.7	91.9
≥ 5000	34.8	58.7	68.1	77.3	86.4	89.7	91.5	92.2	92.3	92.6	92.8	92.8	92.9	93.0	93.1	93.3
≥ 4000	35.1	59.4	68.8	78.0	87.2	90.5	92.3	93.0	93.2	93.4	93.6	93.6	93.7	93.8	93.9	94.1
≥ 3000	35.3	59.6	69.0	78.3	87.4	90.8	92.5	93.2	93.4	93.6	93.8	93.9	93.9	94.0	94.2	94.4
≥ 2000	35.4	59.7	69.1	78.4	87.6	90.9	92.7	93.4	93.6	93.8	94.0	94.0	94.1	94.2	94.3	94.5
≥ 1500	35.5	59.9	69.3	78.6	87.8	91.2	93.0	93.7	93.9	94.1	94.3	94.3	94.3	94.4	94.5	94.8
≥ 1000	35.7	60.1	69.5	78.8	88.0	91.4	93.2	93.9	94.1	94.3	94.5	94.5	94.6	94.7	94.8	95.0
≥ 800	35.7	60.1	69.5	78.9	88.1	91.5	93.3	94.1	94.2	94.5	94.6	94.7	94.8	94.8	94.8	95.2
≥ 600	35.8	60.2	69.6	79.0	88.2	91.6	93.4	94.1	94.3	94.5	94.7	94.8	94.8	94.8	94.9	95.3
≥ 400	35.9	60.3	69.7	79.1	88.2	91.7	93.4	94.2	94.3	94.6	94.8	94.8	94.9	95.0	95.1	95.3
≥ 300	36.0	60.5	69.9	79.2	88.4	91.9	93.6	94.4	94.5	94.8	95.0	95.0	95.1	95.2	95.3	95.5
≥ 200	36.1	60.6	70.0	79.4	88.6	92.0	93.8	94.6	94.7	95.0	95.2	95.2	95.3	95.4	95.5	95.7
≥ 100	36.3	60.9	70.3	79.7	88.8	92.3	94.1	94.9	95.0	95.3	95.5	95.5	95.6	95.7	95.8	96.0
≥ 50	36.3	61.0	70.4	79.8	89.0	92.5	94.3	95.0	95.2	95.5	95.7	95.7	95.8	95.9	96.0	96.2
≥ 25	36.5	61.2	70.6	80.0	89.2	92.7	94.5	95.3	95.4	95.7	95.9	95.9	96.0	96.1	96.2	96.4
≥ 15	36.5	61.4	70.8	80.2	89.5	93.0	94.8	95.5	95.7	96.0	96.1	96.2	96.3	96.3	96.5	96.7
≥ 10	36.5	61.5	71.0	80.4	89.7	93.2	95.0	95.7	95.9	96.2	96.4	96.4	96.5	96.6	96.7	96.9
≥ 5	36.5	61.6	71.0	80.5	89.8	93.3	95.1	95.9	96.1	96.4	96.6	96.6	96.7	96.8	96.9	97.1
≥ 2.5	36.5	61.6	71.1	80.5	89.9	93.4	95.2	96.2	96.3	96.6	96.8	96.8	96.9	97.0	97.1	97.3
≥ 1.5	36.5	61.6	71.1	80.5	89.9	93.4	95.2	96.3	96.4	96.8	96.9	97.0	97.1	97.1	97.3	97.5
≥ 1	36.5	61.6	71.1	80.5	89.9	93.5	95.4	96.4	96.6	96.9	97.1	97.1	97.2	97.3	97.4	97.6
≥ .5	36.5	61.6	71.1	80.6	89.9	93.6	95.4	96.6	96.8	97.1	97.3	97.3	97.4	97.5	97.6	97.8
≥ .25	36.5	61.6	71.1	80.6	90.0	93.6	95.5	96.7	97.0	97.3	97.5	97.5	97.6	97.7	97.9	98.1
≥ .15	36.5	61.6	71.1	80.6	90.0	93.6	95.6	97.0	97.3	97.7	98.0	98.1	98.2	98.3	98.5	98.7
≥ .1	36.5	61.6	71.1	80.6	90.0	93.6	95.6	97.1	97.4	98.0	98.3	98.4	98.6	98.7	98.9	99.2
≥ .05	36.5	61.6	71.1	80.6	90.0	93.6	95.7	97.1	97.4	98.0	98.4	98.5	98.7	98.9	99.1	99.5
≥ .025	36.5	61.6	71.1	80.6	90.0	93.6	95.7	97.1	97.4	98.0	98.4	98.5	98.7	98.9	99.3	99.9
≥ 0	36.5	61.6	71.1	80.6	90.0	93.6	95.7	97.1	97.4	98.0	98.4	98.5	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7431

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

66-70,73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	26.6	43.3	50.6	55.9	62.8	66.1	69.6	72.6	73.0	73.7	74.1	74.1	74.1	74.1	74.2	74.6
≥ 20000	26.6	43.6	50.8	56.2	63.1	66.4	69.9	72.9	73.3	74.0	74.4	74.4	74.4	74.8	74.9	75.2
IV 18000	26.6	43.6	50.8	56.2	63.1	66.4	69.9	72.9	73.3	74.0	74.4	74.4	74.4	74.8	74.9	75.2
IV 15000	26.6	43.6	50.8	56.2	63.1	66.4	69.9	72.9	73.3	74.0	74.4	74.4	74.4	74.8	74.9	75.2
IV 14000	26.6	43.6	51.1	56.8	64.0	67.3	70.8	73.8	74.2	74.9	75.3	75.3	75.3	75.7	75.8	76.1
IV 12000	27.1	44.7	52.3	58.0	65.2	68.6	72.0	75.0	75.4	76.1	76.6	76.6	76.6	76.9	77.0	77.3
IV 10000	27.4	45.0	52.7	58.7	66.0	69.2	72.8	75.8	76.2	76.9	77.3	77.3	77.3	77.7	77.8	78.1
IV 9000	27.8	45.3	53.0	59.0	66.3	69.7	73.1	76.1	76.6	77.2	77.7	77.7	77.7	78.0	78.1	78.4
IV 8000	28.1	45.6	53.4	59.4	66.8	70.1	73.6	76.6	77.0	77.7	78.1	78.1	78.1	78.4	78.6	78.9
IV 7000	28.1	45.6	53.6	59.6	66.9	70.2	73.7	76.8	77.3	78.1	78.6	78.6	78.6	78.9	79.0	79.3
IV 6000	28.4	46.4	54.2	60.2	67.6	70.9	74.3	77.4	78.0	78.8	79.2	79.2	79.2	79.6	79.7	80.0
IV 5000	28.4	46.8	54.6	60.6	67.9	71.2	74.7	77.8	78.3	79.1	79.6	79.6	79.6	79.9	80.0	80.3
IV 4500	28.4	46.8	54.6	60.6	67.9	71.2	74.7	77.8	78.3	79.1	79.6	79.6	79.6	79.9	80.0	80.3
IV 4000	28.6	46.9	54.7	60.7	68.0	71.3	74.8	77.9	78.4	79.2	79.7	79.7	79.7	80.0	80.1	80.4
IV 3500	28.7	47.0	54.8	60.8	68.1	71.4	74.9	78.0	78.6	79.3	79.8	79.8	79.8	80.1	80.2	80.6
IV 3000	29.2	47.7	55.7	61.7	69.1	72.4	75.9	79.0	79.6	80.3	80.8	80.8	80.8	81.1	81.2	81.6
IV 2500	29.6	48.8	56.8	62.8	70.2	73.6	77.0	80.1	80.7	81.4	81.9	81.9	81.9	82.2	82.3	82.7
IV 2000	29.8	49.4	57.4	63.6	71.3	74.7	78.1	81.2	81.8	82.6	83.0	83.0	83.0	83.3	83.4	83.8
IV 1800	29.8	49.7	57.7	63.9	71.3	75.1	78.6	81.7	82.2	83.0	83.4	83.4	83.4	83.8	83.9	84.2
IV 1500	29.9	51.0	59.4	66.7	74.8	78.1	81.6	84.7	85.2	86.0	86.4	86.4	86.4	86.8	86.9	87.2
IV 1200	29.9	51.7	60.4	68.7	76.9	80.4	83.9	87.0	87.6	88.3	88.8	88.8	88.8	89.1	89.2	89.6
IV 1000	29.9	51.8	60.7	69.0	77.6	81.1	84.6	87.7	88.2	89.3	89.8	89.8	89.8	90.1	90.2	90.6
IV 900	29.9	51.8	60.7	69.0	77.6	81.1	84.6	87.7	88.2	89.3	89.8	89.8	89.8	90.1	90.2	90.6
IV 800	29.9	51.8	60.9	69.6	78.4	82.1	85.7	88.8	89.3	90.6	91.0	91.0	91.0	91.3	91.4	91.8
IV 700	29.9	51.8	60.9	69.6	78.4	82.1	85.7	89.6	90.2	91.4	91.9	91.9	91.9	92.2	92.3	92.7
IV 600	29.9	51.8	60.9	69.6	78.4	82.1	85.9	90.0	90.8	92.1	92.6	92.7	92.7	93.0	93.1	93.4
IV 500	29.9	51.8	61.0	69.8	78.7	82.3	86.8	91.0	91.8	93.3	93.9	94.1	94.1	94.4	94.6	94.9
IV 400	29.9	51.8	61.0	69.8	78.9	82.8	87.2	91.9	92.9	94.6	95.1	95.3	95.3	95.9	96.0	96.3
IV 300	29.9	51.8	61.0	69.8	78.9	82.9	87.3	92.2	93.2	95.8	96.3	96.6	96.6	97.2	97.3	97.7
IV 200	29.9	51.8	61.0	69.8	78.9	82.9	87.3	92.2	93.2	95.8	96.8	97.1	97.1	98.1	98.8	99.4
IV 00	29.9	51.8	61.0	69.8	78.9	82.9	87.3	92.2	93.2	95.8	96.8	97.1	97.1	98.7	99.0	99.7
IV 0	29.9	51.8	61.0	69.8	78.9	82.9	87.3	92.2	93.2	95.8	96.8	97.1	97.1	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119

MARCH AFB CA/RIVERSIDE

66-70, 73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	24.6	35.9	41.9	45.3	52.6	55.1	58.4	62.0	62.6	63.7	64.2	64.4	64.8	64.8	65.0	66.1
≥ 2000'	24.6	35.9	41.9	45.6	52.8	55.3	58.7	62.2	62.8	63.9	64.4	64.7	65.1	65.1	65.3	66.4
IV 15000	24.6	35.9	41.9	45.6	52.8	55.3	58.7	62.2	62.8	63.9	64.4	64.7	65.1	65.1	65.3	66.4
IV 10000	24.6	35.9	41.9	45.6	52.8	55.3	58.7	62.2	62.8	63.9	64.4	64.7	65.1	65.1	65.3	66.4
IV 4000	24.9	36.6	42.6	46.3	53.6	56.1	59.4	63.0	63.6	64.7	65.2	65.4	65.9	65.9	66.1	67.2
IV 2000	26.0	37.7	43.8	47.6	54.8	57.3	60.7	64.2	64.8	65.9	66.4	66.7	67.1	67.1	67.3	68.4
IV 1000	26.4	38.1	44.3	48.1	55.3	57.9	61.2	64.8	65.3	66.4	67.0	67.2	67.7	67.7	67.9	69.0
IV 900	26.9	38.6	44.8	48.6	55.8	58.3	61.7	65.2	65.8	66.9	67.4	67.7	68.1	68.1	68.3	69.4
IV 800	27.0	38.9	45.1	48.9	56.1	58.7	62.0	65.6	66.1	67.2	67.8	68.0	68.4	68.4	68.7	69.8
IV 700	27.0	39.1	45.3	49.1	56.3	58.9	62.2	65.8	66.3	67.4	68.0	68.2	68.7	68.7	68.9	70.0
IV 600	27.0	39.4	45.7	49.4	56.7	59.2	62.6	66.1	66.7	67.8	68.3	68.6	69.0	69.0	69.2	70.3
IV 500	27.2	40.0	46.2	50.0	57.2	59.8	63.1	66.7	67.2	68.3	68.9	69.1	69.6	69.6	69.8	70.9
IV 450	27.2	40.0	46.2	50.0	57.2	59.8	63.1	66.7	67.2	68.3	68.9	69.1	69.6	69.6	69.8	70.9
IV 400	27.9	40.8	47.0	50.8	58.0	60.6	63.9	67.4	68.0	69.1	69.7	69.9	70.3	70.3	70.6	71.7
IV 350	28.2	41.1	47.3	51.1	58.7	61.2	64.6	68.3	68.9	70.0	70.6	70.8	71.2	71.2	71.4	72.6
IV 300	28.2	41.3	47.9	51.7	59.2	61.8	65.1	68.9	69.4	70.6	71.1	71.3	71.8	71.8	72.0	73.1
IV 250	28.3	42.4	49.3	53.1	60.7	63.2	66.6	70.3	70.9	72.0	72.6	72.8	73.2	73.2	73.4	74.6
IV 200	28.7	43.6	50.4	54.2	61.8	64.3	67.7	71.4	72.0	73.1	73.7	73.9	74.3	74.3	74.6	75.7
IV 1800	28.7	44.0	51.0	54.9	62.4	65.0	68.3	72.1	72.7	73.8	74.3	74.6	75.0	75.0	75.2	76.3
IV 1500	28.7	45.2	52.9	56.9	64.9	67.4	71.1	74.9	75.4	76.6	77.1	77.3	77.8	77.8	78.0	79.1
IV 1200	28.7	45.7	53.3	57.4	65.6	68.1	71.9	75.7	76.2	77.3	77.9	78.1	78.6	78.6	78.8	79.9
IV 1000	28.7	45.8	53.6	58.0	66.1	68.8	72.6	76.4	77.1	78.2	78.8	79.0	79.4	79.4	79.7	80.9
IV 900	28.7	46.0	53.8	58.2	66.4	69.1	72.9	76.8	77.4	78.7	79.2	79.4	79.9	79.9	80.1	81.3
IV 800	28.7	46.0	53.9	58.4	67.0	69.9	74.0	77.9	78.6	79.9	80.4	80.7	81.1	81.1	81.3	82.6
IV 700	28.7	46.0	54.2	58.8	67.6	70.4	74.6	78.8	79.6	81.0	81.6	81.8	82.2	82.2	82.4	83.7
IV 600	28.7	46.1	54.3	58.9	67.9	71.0	75.3	79.9	80.8	82.4	83.0	83.4	83.9	83.9	84.1	85.3
IV 500	28.7	46.3	54.6	59.2	68.2	71.4	76.1	80.8	81.7	83.6	84.1	84.7	85.1	85.2	85.4	86.7
IV 400	28.7	46.3	54.6	59.2	68.2	71.4	76.4	81.3	82.9	85.4	86.0	86.6	87.0	87.1	87.4	88.9
IV 300	28.7	46.3	54.6	59.2	68.2	71.6	76.7	81.7	83.4	87.2	88.1	88.8	89.3	89.4	89.8	91.2
IV 200	28.7	46.4	54.7	59.3	68.3	71.7	76.8	82.1	84.0	88.0	89.3	90.1	91.1	91.4	92.0	94.4
IV 100	28.7	46.4	54.7	59.3	68.3	71.7	76.8	82.2	84.1	88.1	89.4	90.2	91.6	92.1	93.6	98.0
IV 0	28.7	46.4	54.7	59.3	68.3	71.7	76.8	82.2	84.1	88.1	89.4	90.2	91.6	92.1	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

66-70,73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	29.6	35.1	37.9	40.7	45.6	48.4	51.2	54.7	55.8	58.0	58.7	59.1	59.3	59.4	60.0	60.7
≥ 20000	29.6	35.2	38.0	40.9	45.9	48.9	51.7	55.1	56.2	58.4	59.1	59.3	59.9	60.0	60.6	61.3
≥ 18000	29.6	35.2	38.0	40.9	45.9	48.9	51.7	55.1	56.2	58.4	59.1	59.6	59.9	60.0	60.6	61.3
≥ 16000	29.6	35.2	38.0	40.9	45.9	48.9	51.7	55.1	56.2	58.4	59.1	59.6	59.9	60.0	60.6	61.3
≥ 14000	30.0	35.7	38.4	41.3	46.3	49.3	52.1	55.6	56.7	58.9	59.6	60.0	60.3	60.4	61.0	61.8
≥ 12000	30.1	36.0	38.8	41.9	46.9	49.9	52.7	56.1	57.2	59.4	60.1	60.6	60.9	61.0	61.6	62.3
≥ 10000	31.1	37.1	39.7	43.0	48.3	51.7	54.4	58.0	59.1	61.3	62.0	62.4	62.8	62.9	63.4	64.2
≥ 9000	31.1	37.2	40.1	43.3	48.7	52.0	54.8	58.3	59.4	61.7	62.3	62.8	63.1	63.2	63.8	64.6
≥ 8000	31.6	37.8	40.9	44.2	49.6	52.9	55.7	59.2	60.3	62.6	63.2	63.7	64.0	64.1	64.7	65.4
≥ 7000	31.6	37.8	40.9	44.2	49.7	53.0	55.8	59.3	60.4	62.8	63.4	63.9	64.2	64.3	64.9	65.7
≥ 6000	32.0	38.3	41.4	44.8	50.2	53.6	56.3	59.9	61.0	63.3	64.0	64.4	64.8	64.9	65.4	66.2
≥ 5000	32.2	38.6	41.7	45.0	50.6	53.9	56.7	60.2	61.3	63.7	64.3	64.8	65.1	65.2	65.8	66.6
≥ 4500	32.2	38.6	41.7	45.0	50.6	53.9	56.7	60.2	61.3	63.7	64.3	64.8	65.1	65.2	65.8	66.6
≥ 4000	32.6	39.2	42.6	45.9	51.4	54.8	57.6	61.1	62.2	64.6	65.2	65.7	66.0	66.1	66.7	67.5
≥ 3500	32.8	39.6	43.0	46.6	52.2	55.8	58.7	62.2	63.4	65.8	66.4	66.9	67.2	67.3	67.9	68.7
≥ 3000	32.9	39.7	43.1	46.7	52.3	55.9	58.8	62.3	63.6	65.9	66.6	67.0	67.3	67.4	68.0	68.8
≥ 2500	33.3	40.8	44.2	47.8	53.4	57.0	59.9	63.4	64.7	67.0	67.7	68.1	68.4	68.6	69.1	69.9
≥ 2000	33.6	42.1	45.4	49.0	54.7	58.3	61.2	64.8	66.0	68.3	69.0	69.4	69.8	69.9	70.4	71.2
≥ 1800	33.6	42.4	45.9	49.6	55.2	58.9	61.8	65.6	66.8	69.1	69.8	70.2	70.6	70.7	71.2	72.0
≥ 1500	33.7	42.8	46.4	50.1	56.1	60.1	63.2	67.2	68.4	70.8	71.4	71.9	72.2	72.3	72.9	73.7
≥ 1200	33.7	43.1	46.8	50.7	56.8	60.8	63.9	67.9	69.1	71.4	72.1	72.6	72.9	73.0	73.6	74.3
≥ 1000	33.7	43.3	47.0	50.9	57.2	61.4	64.8	69.2	70.4	72.8	73.4	73.9	74.2	74.3	75.0	75.9
≥ 900	33.7	43.3	47.0	50.9	57.2	61.6	65.0	69.4	70.7	73.0	73.7	74.1	74.4	74.6	75.2	76.1
≥ 800	33.7	43.3	47.0	50.9	57.2	61.7	65.8	70.2	71.7	74.0	74.7	75.2	75.6	75.7	76.3	77.2
≥ 700	33.7	43.3	47.0	50.9	57.3	62.0	66.6	71.1	72.8	75.2	75.9	76.8	77.1	77.2	77.9	78.8
≥ 600	33.7	43.3	47.0	50.9	57.8	62.7	67.4	72.8	74.6	77.3	78.1	79.0	79.3	79.4	80.1	81.0
≥ 500	33.7	43.3	47.1	51.0	58.0	62.9	67.7	73.1	75.2	78.3	79.4	80.6	80.9	81.0	81.8	82.7
≥ 400	33.7	43.3	47.1	51.0	58.0	62.9	67.9	73.6	76.0	80.1	81.9	83.1	83.9	84.1	84.9	86.1
≥ 300	33.7	43.3	47.1	51.0	58.0	62.9	67.9	73.7	76.1	80.7	83.2	85.4	87.4	88.1	89.1	90.7
≥ 200	33.7	43.3	47.1	51.0	58.0	62.9	67.9	73.7	76.1	80.8	84.0	86.4	89.0	90.1	91.6	94.9
≥ 100	33.7	43.3	47.1	51.0	58.0	62.9	67.9	73.7	76.1	80.8	84.0	86.6	89.1	90.3	91.8	98.3
≥ 0	33.7	43.3	47.1	51.0	58.0	62.9	67.9	73.7	76.1	80.8	84.0	86.6	89.1	90.3	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

66-76,73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	42.0	51.3	55.4	60.0	67.0	71.6	75.9	75.6	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 20000	42.1	51.7	55.8	60.3	67.4	72.0	74.6	75.3	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	42.1	51.7	55.8	60.3	67.4	72.1	74.8	76.6	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	42.1	51.7	55.8	60.3	67.4	72.1	74.8	76.6	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	42.4	52.0	56.1	60.7	67.8	72.4	75.1	76.9	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 12000	42.9	52.7	57.0	61.9	69.0	73.9	74.7	78.7	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 10000	43.9	53.9	58.3	63.2	70.6	75.6	78.4	80.6	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 9000	43.9	53.9	58.3	63.2	70.6	75.6	78.4	80.6	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 8000	44.1	54.1	58.8	64.0	71.4	76.4	79.3	81.4	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	44.4	54.4	59.1	64.3	71.8	76.8	79.7	81.8	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000	44.8	54.8	59.4	64.8	72.2	77.3	80.2	82.3	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	45.0	55.0	59.7	65.0	72.4	77.6	80.4	82.6	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500	45.1	55.1	59.8	65.1	72.6	77.7	80.6	82.7	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4000	46.1	56.2	61.1	66.6	74.0	79.1	82.0	84.1	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	46.4	57.0	61.9	67.4	75.1	80.2	83.1	85.2	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000	46.4	57.2	62.1	67.7	75.6	80.8	83.7	85.8	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	46.6	57.6	62.6	68.2	76.1	81.3	84.2	86.3	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	47.0	58.6	63.9	69.6	77.4	82.8	85.7	87.9	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	47.0	58.6	63.9	69.6	77.4	83.0	86.0	88.2	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	47.1	58.8	64.1	69.8	78.3	84.1	87.4	89.7	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	47.1	58.8	64.2	69.9	78.9	85.1	88.6	90.8	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	47.1	58.9	64.4	70.1	79.2	85.7	89.4	92.1	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	47.1	58.9	64.4	70.2	79.4	86.0	89.8	92.6	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800	47.1	58.9	64.4	70.2	79.8	86.2	90.1	93.0	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	47.1	58.9	64.4	70.2	79.9	86.3	90.6	93.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	47.2	59.0	64.6	70.3	80.0	86.6	90.8	94.2	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 400	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8
≥ 300	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2
≥ 200	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2
≥ 100	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2
≥ 0	47.2	59.0	64.6	70.3	80.1	86.7	90.9	94.8	96.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24119 MARCH AFS CA/RIVERSIDE

66-70, 73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	36.3	49.0	55.3	62.1	73.4	79.4	83.9	85.3	86.3	86.6	86.5	86.6	86.6	86.6	86.6	86.6
2 20000	36.6	49.3	55.7	62.8	74.2	80.2	85.0	86.8	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2 18000	36.6	49.3	55.7	62.8	74.2	80.3	85.0	86.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2 16000	36.6	49.3	55.7	62.8	74.2	80.3	85.0	86.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2 14000	37.0	49.8	56.1	63.2	74.7	80.8	85.6	87.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2 12000	38.2	51.1	57.6	65.2	76.9	83.1	88.0	90.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2 10000	39.4	53.1	59.6	67.2	79.0	85.2	90.1	92.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 9000	39.4	53.1	59.6	67.2	79.0	85.2	90.1	92.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 8000	39.7	53.3	59.8	67.4	79.2	85.4	90.3	92.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2 7000	39.9	53.6	60.0	67.7	79.4	85.7	90.7	92.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2 6000	40.0	53.7	60.1	67.8	79.6	85.8	90.8	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2 5000	40.4	54.1	60.6	68.4	80.2	86.4	91.4	93.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2 4500	40.7	54.3	60.8	68.7	80.4	86.7	91.7	93.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1
2 4000	41.0	54.7	61.1	69.0	80.9	87.2	92.4	94.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 3500	41.3	55.2	61.6	69.7	81.6	88.0	93.2	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2 3000	41.4	55.4	62.0	69.9	82.1	88.6	93.8	95.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2 2500	41.4	55.6	62.1	70.1	82.3	88.8	94.0	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2 2000	41.4	55.6	62.1	70.2	82.3	88.9	94.7	96.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2 1800	41.4	55.6	62.1	70.2	82.3	89.3	94.7	96.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2 1600	41.4	55.6	62.1	70.2	82.3	89.7	95.0	97.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2 1400	41.4	55.6	62.1	70.2	82.3	89.7	95.1	97.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 1200	41.4	55.6	62.2	70.3	83.0	90.0	95.4	97.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 1000	41.4	55.6	62.2	70.3	83.0	90.0	95.4	97.9	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 900	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 800	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 700	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 500	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 300	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	41.4	55.6	62.2	70.3	83.0	90.0	95.4	98.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70,73-77  
PERIOD

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATISTICS															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥ 2000	26.2	44.9	53.1	61.8	74.9	79.9	84.6	85.1	85.9	86.2	86.3	86.4	86.4	86.4	86.4	86.4
≥ 18000	26.3	45.2	53.4	62.3	76.0	81.0	85.0	86.3	87.4	87.8	87.9	88.0	88.0	88.0	88.0	88.0
≥ 16000	26.3	45.2	53.4	62.3	76.0	81.0	85.0	86.3	87.4	87.8	87.9	88.0	88.1	88.1	88.1	88.1
≥ 14000	27.0	46.0	54.3	63.3	77.1	82.3	86.3	87.7	89.2	89.6	89.7	89.8	89.8	89.8	89.8	89.8
≥ 12000	28.1	47.6	56.1	65.3	79.6	84.9	88.9	90.2	91.8	92.1	92.2	92.3	92.3	92.3	92.3	92.3
≥ 10000	29.2	49.2	57.8	67.0	81.3	86.7	90.7	92.1	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2
≥ 9000	29.2	49.2	57.8	67.0	81.3	86.7	90.7	92.1	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2
≥ 8000	29.4	49.4	58.0	67.2	81.6	86.9	90.9	92.4	94.0	94.3	94.4	94.6	94.6	94.6	94.6	94.6
≥ 7000	30.2	50.2	58.8	68.9	82.3	87.7	91.7	93.2	94.8	95.1	95.2	95.3	95.3	95.3	95.3	95.3
≥ 6000	30.4	50.4	59.0	68.2	82.6	87.9	91.9	93.4	95.0	95.3	95.4	95.6	95.6	95.6	95.6	95.6
≥ 5000	31.0	51.0	59.6	68.8	83.2	88.6	92.7	94.2	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3
≥ 4500	31.0	51.0	59.6	68.8	83.2	88.6	92.7	94.2	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3
≥ 4000	31.3	51.6	60.1	69.3	83.9	89.2	93.4	95.1	96.7	97.0	97.1	97.2	97.2	97.2	97.2	97.2
≥ 3500	31.4	51.8	60.3	69.9	84.7	90.0	94.3	96.0	97.6	97.9	98.0	98.1	98.1	98.1	98.1	98.1
≥ 3000	31.6	51.9	60.4	70.0	85.0	90.4	94.8	96.4	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7
≥ 2500	31.6	51.9	60.4	70.0	85.1	90.6	95.0	96.8	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 2000	31.6	51.9	60.4	70.0	85.1	90.6	95.0	96.8	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 1800	31.6	51.9	60.4	70.0	85.1	90.6	95.0	96.8	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 1500	31.8	52.2	60.8	70.3	85.4	90.9	95.3	97.1	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3
≥ 1200	31.8	52.2	60.8	70.3	85.4	90.9	95.3	97.2	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6
≥ 1000	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 900	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 800	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 700	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	31.8	52.2	60.8	70.3	85.6	91.2	95.7	97.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110 MARCH AFB CA/RIVERSIDE

66-70, 73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	35.6	56.7	64.2	71.1	80.6	83.3	86.0	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 20000	35.6	57.0	64.7	71.8	81.3	84.1	86.0	87.8	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	35.8	57.0	64.7	71.8	81.3	84.1	86.8	87.8	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 16000	35.8	57.0	64.7	71.8	81.3	84.1	86.8	87.8	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	36.3	57.6	65.6	72.7	82.2	85.0	87.7	88.7	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	37.1	58.8	66.8	73.9	83.4	86.2	88.9	89.9	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 10000	37.8	59.8	68.0	75.1	84.9	87.7	90.3	91.3	92.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 9000	38.0	60.0	68.2	75.3	85.1	87.9	90.6	91.6	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 8000	38.1	60.7	68.9	76.0	85.0	88.6	91.2	92.3	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 7000	38.2	60.8	69.0	76.3	86.1	88.9	91.6	92.8	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 6000	38.8	61.3	69.6	76.9	86.7	89.4	92.1	93.2	94.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 5000	38.9	61.7	69.9	77.2	87.0	89.8	92.4	93.7	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4500	39.0	61.8	70.0	77.3	87.2	90.0	92.7	93.9	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	39.4	62.4	70.7	78.0	87.9	90.7	93.3	94.6	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	39.6	63.0	71.3	78.8	88.9	91.7	94.3	95.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	39.6	63.1	71.4	79.0	89.2	92.0	94.7	96.0	96.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	39.7	63.2	71.6	79.1	89.3	92.1	94.8	96.1	97.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	39.8	63.6	72.0	79.6	89.8	92.6	95.2	96.6	97.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	39.8	63.6	72.0	79.6	89.8	92.6	95.2	96.6	97.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1600	39.8	63.6	72.2	79.8	90.1	93.0	95.8	97.1	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1400	39.8	63.6	72.2	79.8	90.1	93.0	95.8	97.1	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	39.8	63.6	72.2	79.8	90.2	93.1	95.9	97.2	98.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70,73-77  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	31.4	55.6	64.1	69.2	76.6	78.9	81.7	82.0	82.6	83.2	83.4	83.4	83.4	83.4	83.4
≥ 18000	31.6	55.9	64.6	69.7	77.3	79.8	82.6	82.9	83.4	84.6	84.7	84.7	84.7	84.7	84.7
IV 16000	31.6	55.9	64.6	69.7	77.3	79.8	82.6	82.9	83.4	84.6	84.7	84.7	84.7	84.7	84.7
≥ 14000	31.7	56.1	64.8	70.2	77.9	80.3	83.1	83.4	84.0	85.4	85.6	85.6	85.6	85.6	85.6
IV 12000	32.3	57.2	65.9	71.3	79.0	81.4	84.2	84.6	85.1	86.6	86.7	86.7	86.7	86.7	86.7
≥ 10000	32.3	57.4	66.2	71.7	79.6	82.0	84.8	85.1	85.7	87.1	87.2	87.2	87.2	87.2	87.2
IV 8000	32.3	57.4	66.2	71.7	79.6	82.0	84.8	85.1	85.7	87.1	87.2	87.2	87.2	87.2	87.2
≥ 8000	32.7	57.8	66.7	72.1	80.0	82.4	85.2	85.7	86.2	87.7	87.8	87.8	87.8	87.8	87.8
IV 7000	32.8	58.0	67.1	72.6	80.4	82.9	85.7	86.1	86.8	88.2	88.3	88.3	88.3	88.3	88.3
≥ 6000	33.3	58.7	67.8	73.2	81.1	83.6	86.3	86.8	87.4	88.9	89.0	89.0	89.0	89.0	89.0
IV 5000	33.3	58.7	67.8	73.2	81.1	83.6	86.3	86.8	87.4	89.0	89.1	89.1	89.1	89.1	89.1
≥ 4500	33.3	58.8	67.9	73.3	81.2	83.7	86.4	86.9	87.6	89.1	89.2	89.2	89.2	89.2	89.2
IV 4000	33.3	59.1	68.2	73.7	81.6	84.0	86.8	87.2	87.9	89.4	89.6	89.6	89.6	89.6	89.6
≥ 3500	33.6	59.6	68.7	74.1	82.0	84.4	87.2	87.7	88.3	89.9	90.0	90.0	90.0	90.0	90.0
IV 3000	34.0	60.2	69.4	75.0	83.0	85.4	88.2	88.7	89.3	90.9	91.0	91.0	91.0	91.0	91.0
≥ 2500	34.4	61.1	70.3	76.0	84.1	86.6	89.3	89.8	90.4	92.0	92.1	92.1	92.1	92.1	92.1
IV 2000	34.7	61.7	71.0	76.8	84.9	87.3	90.1	90.6	91.2	92.0	93.1	93.1	93.1	93.1	93.1
≥ 1800	34.7	62.1	71.4	77.2	85.3	87.8	90.6	91.0	91.7	93.4	93.6	93.6	93.6	93.6	93.6
IV 1500	34.9	62.8	72.2	78.9	87.0	89.4	92.2	92.8	93.4	95.2	95.3	95.3	95.3	95.3	95.3
≥ 1200	34.9	63.1	72.9	79.7	88.0	90.4	93.2	93.8	94.4	96.2	96.3	96.3	96.3	96.3	96.3
IV 1000	34.9	63.1	73.0	79.8	88.3	90.8	93.6	94.1	94.8	96.6	96.7	96.7	96.7	96.7	96.7
≥ 900	34.9	63.2	73.2	80.0	88.6	91.0	93.8	94.3	95.0	96.8	96.9	96.9	96.9	96.9	96.9
IV 800	34.9	63.4	73.6	80.3	88.9	91.3	94.2	94.8	95.4	97.2	97.3	97.3	97.3	97.3	97.3
≥ 700	34.9	63.4	73.7	80.4	89.1	91.6	94.4	95.1	95.8	97.7	98.0	98.0	98.0	98.0	98.0
IV 600	34.9	63.4	73.7	80.4	89.1	91.6	94.7	95.6	96.2	98.1	98.4	98.4	98.4	98.4	98.4
≥ 500	34.9	63.4	73.7	80.4	89.1	91.7	94.8	95.7	96.3	98.2	98.6	98.6	98.6	98.6	98.6
IV 400	34.9	63.4	73.7	80.4	89.1	91.7	94.8	95.1	97.0	98.9	99.2	99.2	99.2	99.2	99.2
≥ 300	34.9	63.4	73.7	80.4	89.1	91.7	94.8	96.1	97.0	99.0	99.6	99.6	99.6	99.6	99.6
IV 200	34.9	63.4	73.7	80.4	89.1	91.8	94.9	96.2	97.1	99.1	99.8	99.8	99.8	99.8	99.8
≥ 100	34.9	63.4	73.7	80.4	89.1	91.8	94.9	96.2	97.1	99.1	99.9	99.9	99.9	99.9	99.9
IV 0	34.9	63.4	73.7	80.4	89.1	91.8	94.9	96.2	97.1	99.1	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

66-70, 73-77

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	21.5	46.5	52.8	58.3	66.7	70.3	73.6	75.5	76.2	77.0	77.3	77.3	77.4	77.4	77.5	77.8
≥ 20000	31.6	46.7	53.1	58.7	67.3	71.0	74.3	76.3	77.1	77.9	78.1	78.2	78.3	78.4	78.5	78.8
≥ 18000	31.6	46.7	53.1	58.7	67.3	71.0	74.3	76.3	77.1	77.9	78.2	78.3	78.4	78.4	78.5	78.8
≥ 16000	31.6	46.7	53.1	58.7	67.3	71.0	74.3	76.3	77.1	78.0	78.2	78.3	78.4	78.5	78.6	78.8
≥ 14000	32.0	47.2	53.6	59.3	67.9	71.7	75.0	77.1	77.9	78.8	79.1	79.2	79.3	79.3	79.4	79.7
≥ 12000	32.7	48.2	54.8	60.6	69.3	73.2	76.5	78.6	79.4	80.4	80.6	80.7	80.8	80.8	81.0	81.2
≥ 10000	33.5	49.2	55.8	61.8	70.6	74.5	77.8	80.0	80.8	81.8	82.0	82.1	82.2	82.2	82.3	82.6
≥ 9000	33.6	49.3	56.0	61.9	70.8	74.7	78.0	80.2	81.0	81.9	82.2	82.3	82.4	82.4	82.5	82.8
≥ 8000	33.8	49.7	56.4	62.4	71.3	75.2	78.5	80.7	81.5	82.5	82.7	82.8	82.9	83.0	83.1	83.3
≥ 7000	34.0	50.0	56.7	62.7	71.6	75.5	78.9	81.1	81.9	82.9	83.1	83.2	83.4	83.4	83.5	83.8
≥ 6000	34.2	50.4	57.2	63.2	72.1	76.0	79.3	81.5	82.4	83.4	83.6	83.7	83.8	83.8	84.0	84.2
≥ 5000	34.6	50.7	57.5	63.5	72.5	76.3	79.7	81.9	82.8	83.8	84.0	84.1	84.3	84.3	84.4	84.7
≥ 4500	34.6	50.8	57.6	63.6	72.5	76.4	79.8	82.0	82.9	83.9	84.1	84.2	84.3	84.3	84.5	84.7
≥ 4000	35.0	51.4	58.2	64.2	73.2	77.1	80.5	82.8	83.6	84.6	84.8	84.9	85.1	85.1	85.2	85.5
≥ 3500	35.3	51.8	58.6	64.8	73.9	77.8	81.3	83.5	84.4	85.4	85.6	85.7	85.9	85.9	86.0	86.3
≥ 3000	35.4	52.1	59.0	65.2	74.4	78.4	81.9	84.1	85.0	86.0	86.3	86.4	86.5	86.5	86.6	86.9
≥ 2500	35.6	52.7	59.7	65.9	75.2	79.1	82.6	84.8	85.7	86.7	87.0	87.1	87.2	87.2	87.3	87.6
≥ 2000	35.8	53.3	60.3	66.6	76.0	80.0	83.5	85.8	86.7	87.7	87.9	88.0	88.2	88.2	88.3	88.6
≥ 1800	35.8	53.5	60.5	66.9	76.2	80.3	83.8	86.1	87.0	88.0	88.3	88.4	88.5	88.5	88.7	88.9
≥ 1500	35.9	54.0	61.3	67.0	77.4	81.6	85.2	87.6	88.5	89.5	89.8	89.9	90.0	90.1	90.2	90.4
≥ 1200	35.9	54.2	61.6	68.3	78.1	82.3	86.0	88.4	89.3	90.3	90.6	90.7	90.8	90.8	91.0	91.2
≥ 1000	35.9	54.3	61.7	68.5	78.4	82.8	86.5	89.0	90.0	91.1	91.4	91.5	91.6	91.6	91.8	92.1
≥ 900	35.9	54.3	61.8	68.6	78.5	82.9	86.6	89.2	90.1	91.4	91.6	91.7	91.9	91.9	92.0	92.3
≥ 800	35.9	54.3	61.9	68.7	78.6	83.2	87.1	89.7	90.7	92.0	92.3	92.4	92.5	92.5	92.7	93.0
≥ 700	35.9	54.3	61.9	68.8	78.9	83.3	87.3	90.1	91.2	92.6	92.9	93.1	93.2	93.2	93.3	93.7
≥ 600	35.9	54.4	62.0	68.8	79.0	83.5	87.6	90.7	91.8	93.3	93.6	93.8	93.9	94.0	94.1	94.4
≥ 500	35.9	54.4	62.0	68.9	79.1	83.7	87.9	91.0	92.2	93.8	94.3	94.5	94.7	94.7	94.8	95.1
≥ 400	35.9	54.4	62.0	68.9	79.1	83.7	88.0	91.3	92.7	94.6	95.1	95.4	95.6	95.7	95.8	96.2
≥ 300	35.9	54.4	62.0	68.9	79.1	83.8	88.1	91.4	92.8	95.1	95.8	96.2	96.7	96.8	97.0	97.4
≥ 200	35.9	54.4	62.0	68.9	79.2	83.8	88.1	91.5	92.9	95.2	96.1	96.6	97.2	97.5	97.8	98.6
≥ 100	35.9	54.4	62.0	68.9	79.2	83.8	88.1	91.5	92.9	95.2	96.1	96.6	97.3	97.6	98.0	99.5
≥ 0	35.9	54.4	62.0	68.9	79.2	83.8	88.1	91.5	92.9	95.2	96.1	96.6	97.3	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23117  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

66-70, 73-77  
YEARS

UCT  
UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	29.4	42.0	46.3	50.4	57.9	60.6	64.8	67.8	69.1	71.2	72.1	72.3	73.0	73.2	73.3	74.6
≥ 20000	29.8	42.7	47.0	51.1	58.7	61.4	65.6	68.7	70.0	72.1	73.1	73.3	74.0	74.2	74.3	75.6
≥ 18000	29.8	42.7	47.0	51.1	58.7	61.4	65.6	68.7	70.0	72.1	73.1	73.3	74.0	74.2	74.3	75.6
≥ 16000	29.8	42.7	47.0	51.1	58.7	61.4	65.6	68.7	70.0	72.1	73.1	73.3	74.3	74.5	74.6	75.9
≥ 14000	29.9	42.9	47.3	51.3	58.9	61.6	65.8	68.9	70.2	72.3	73.3	73.5	74.5	74.7	74.8	76.1
≥ 12000	29.9	42.9	47.4	51.5	59.1	61.9	66.1	69.2	70.5	72.7	73.6	73.8	74.8	75.0	75.1	76.4
≥ 10000	30.1	43.2	47.6	51.9	59.7	62.9	67.2	70.3	71.6	73.7	74.7	74.9	75.9	76.1	76.2	77.5
≥ 9000	30.1	43.3	47.7	52.0	59.8	63.0	67.3	70.4	71.7	73.8	74.8	75.0	76.0	76.2	76.3	77.6
≥ 8000	30.2	43.4	47.8	52.1	60.0	63.1	67.4	70.5	71.8	74.0	74.9	75.1	76.1	76.3	76.4	77.7
≥ 7000	30.5	43.9	48.3	52.6	60.5	63.6	67.9	71.0	72.3	74.5	75.5	75.7	76.6	76.9	77.0	78.3
≥ 6000	30.8	44.6	49.0	53.3	61.2	64.4	68.7	71.8	73.1	75.2	76.2	76.4	77.4	77.6	77.7	79.0
≥ 5000	30.9	44.8	49.2	53.5	61.8	64.9	69.2	72.3	73.6	75.8	76.7	77.0	77.9	78.1	78.2	79.5
≥ 4500	30.9	44.8	49.2	53.5	61.8	64.9	69.2	72.3	73.6	75.8	76.7	77.0	77.9	78.1	78.2	79.5
≥ 4000	30.9	45.0	49.5	53.8	62.1	65.2	69.5	72.7	74.0	76.1	77.1	77.3	78.3	78.5	78.6	79.9
≥ 3500	30.9	45.3	49.8	54.3	62.5	65.7	70.0	73.1	74.4	76.5	77.5	77.7	78.7	78.9	79.0	80.3
≥ 3000	31.1	46.2	50.8	55.5	63.8	67.0	71.4	74.5	75.8	77.9	78.9	79.1	80.1	80.3	80.4	81.7
≥ 2500	31.5	46.9	51.9	56.7	65.0	68.1	72.8	75.9	77.2	79.3	80.3	80.5	81.5	81.7	81.8	83.1
≥ 2000	31.5	47.8	53.1	58.2	67.3	70.5	75.1	78.3	79.5	81.7	82.7	82.9	83.9	84.1	84.2	85.5
≥ 1800	31.9	48.9	54.5	59.8	68.9	72.1	76.7	79.9	81.2	83.3	84.3	84.5	85.5	85.7	85.8	87.1
≥ 1500	31.9	49.3	55.3	60.8	70.0	73.3	77.9	81.1	82.3	84.5	85.5	85.7	86.7	86.9	87.0	88.3
≥ 1200	31.9	49.4	55.5	61.4	70.7	74.1	78.8	81.9	83.2	85.4	86.3	86.5	87.5	87.7	87.8	89.1
≥ 1000	32.0	49.5	56.0	61.9	71.5	75.1	79.9	83.0	84.3	86.4	87.4	87.6	88.6	88.8	88.9	90.2
≥ 900	32.0	49.7	56.5	62.4	72.0	75.9	80.8	84.0	85.3	87.5	88.5	88.7	89.7	89.9	90.0	91.3
≥ 800	32.0	49.7	56.5	62.4	72.3	76.5	81.5	84.7	86.0	88.4	89.3	89.6	90.5	90.7	90.9	92.1
≥ 700	32.0	49.7	56.5	62.4	72.4	76.6	81.6	85.0	86.3	88.8	89.8	90.0	91.0	91.2	91.3	92.6
≥ 600	32.0	49.7	56.5	62.4	72.6	76.9	81.8	85.3	86.5	89.2	90.5	90.7	91.7	91.9	92.0	93.3
≥ 500	32.0	49.7	56.5	62.4	72.6	77.6	82.7	86.4	88.1	91.1	92.6	92.8	93.8	94.0	94.1	95.4
≥ 400	32.0	49.7	56.5	62.4	72.8	77.8	82.9	86.7	88.4	91.6	93.1	93.3	94.4	94.6	94.8	96.2
≥ 300	32.0	49.8	56.6	62.5	72.9	77.9	83.1	87.1	88.8	92.0	93.5	93.8	94.9	95.2	95.4	96.9
≥ 200	32.0	49.8	56.6	62.5	72.9	77.9	83.1	87.2	89.3	92.7	94.3	94.5	95.8	96.1	96.4	98.2
≥ 100	32.0	49.8	56.6	62.5	72.9	77.9	83.1	87.2	89.3	92.7	94.3	94.5	95.8	96.3	96.9	99.6
≥ 0	32.0	49.8	56.6	62.5	72.9	77.9	83.1	87.2	89.3	92.7	94.3	94.5	95.8	96.3	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

65-70,73-77

QCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	28.1	39.9	43.9	46.9	52.7	54.1	57.1	59.8	60.5	62.7	63.3	63.7	64.2	64.4	64.7	67.3
≥ 20000	28.4	40.2	44.2	47.2	53.0	54.4	57.4	60.1	60.9	63.0	63.7	64.0	64.5	64.7	65.1	67.6
≥ 8000	28.4	40.2	44.2	47.2	53.0	54.4	57.4	60.1	60.9	63.0	63.7	64.0	64.5	64.7	65.1	67.6
≥ 6000	28.6	40.4	44.4	47.4	53.2	54.6	57.6	60.3	61.1	63.2	63.9	64.2	64.9	65.2	65.5	68.2
≥ 4000	28.6	40.4	44.4	47.4	53.2	54.6	57.6	60.3	61.1	63.2	63.9	64.2	64.9	65.2	65.5	68.2
≥ 12000	28.8	40.6	44.6	47.6	53.5	55.2	58.2	60.9	61.6	63.8	64.4	64.7	65.5	65.7	66.0	68.8
≥ 3000	29.0	41.0	45.3	48.3	54.3	55.9	59.1	61.8	62.6	64.7	65.4	65.7	66.5	66.7	67.0	69.8
≥ 9000	29.0	41.0	45.3	48.3	54.3	55.9	59.1	61.8	62.6	64.7	65.4	65.7	66.5	66.7	67.0	69.8
≥ 8000	29.0	41.1	45.6	48.6	54.6	56.2	59.5	62.2	62.9	65.1	65.7	66.0	66.8	67.0	67.3	70.1
≥ 7000	29.4	41.4	45.9	48.9	54.9	56.6	59.8	62.5	63.2	65.4	66.0	66.3	67.1	67.3	67.6	70.4
≥ 6000	29.4	41.5	46.0	49.0	55.1	57.0	60.2	62.9	63.7	65.8	66.5	66.8	67.5	67.7	68.1	70.9
≥ 5000	29.4	41.5	46.0	49.0	55.2	57.1	60.3	63.0	63.8	65.9	66.6	66.9	67.6	67.8	68.2	71.0
≥ 4500	29.5	41.6	46.1	49.1	55.3	57.2	60.4	63.1	63.9	66.0	66.7	67.0	67.7	68.0	68.3	71.1
≥ 4000	29.5	41.7	46.3	49.6	55.8	57.7	61.0	63.7	64.4	66.6	67.2	67.5	68.3	68.5	68.8	71.6
≥ 3500	29.5	41.9	46.6	49.8	56.0	58.0	61.2	63.9	64.6	66.8	67.4	67.7	68.5	68.7	69.0	71.8
≥ 3000	29.8	42.5	47.2	50.8	57.1	59.0	62.3	64.9	65.7	68.0	68.6	68.9	69.7	69.9	70.2	73.0
≥ 2500	30.0	43.7	48.6	52.4	58.8	60.9	64.1	66.8	67.5	69.8	70.4	70.8	71.5	71.7	72.0	74.8
≥ 2000	30.2	45.3	50.5	54.3	61.1	63.4	66.7	69.4	70.1	72.4	73.0	73.3	74.1	74.3	74.6	77.4
≥ 1800	30.3	45.7	51.1	54.8	61.7	64.1	67.3	70.0	70.8	73.0	73.7	74.0	74.7	74.9	75.3	78.1
≥ 1500	30.4	46.6	52.4	56.2	63.5	65.9	69.1	71.8	72.6	74.8	75.5	75.8	76.6	76.8	77.1	79.9
≥ 1200	30.4	46.6	52.6	56.6	64.0	66.3	69.6	72.3	73.1	75.4	76.0	76.3	77.1	77.3	77.6	80.4
≥ 1000	30.4	46.6	52.9	57.1	64.9	67.6	71.1	73.8	74.6	76.9	77.5	77.8	78.6	78.8	79.1	81.9
≥ 900	30.4	46.6	53.0	57.2	65.4	68.3	71.8	75.1	76.0	78.3	78.9	79.2	80.0	80.2	80.5	83.3
≥ 800	30.4	46.6	53.0	57.2	65.7	68.7	72.3	75.7	76.8	79.0	79.7	80.0	80.8	81.0	81.3	84.1
≥ 700	30.4	46.6	53.1	57.4	66.2	69.2	72.8	76.2	77.3	79.6	80.2	80.5	81.3	81.5	81.8	84.6
≥ 600	30.4	46.6	53.2	57.5	66.9	70.0	74.0	77.4	78.5	81.1	82.2	82.5	83.2	83.4	83.8	86.6
≥ 500	30.4	46.6	53.4	57.7	67.5	71.0	75.2	78.6	79.8	82.7	83.8	84.1	84.8	85.1	85.6	88.7
≥ 400	30.4	46.6	53.4	57.7	67.6	71.1	75.3	79.0	80.2	83.4	84.6	85.2	86.1	86.3	86.9	90.0
≥ 300	30.4	46.6	53.4	57.7	67.6	71.1	75.3	79.1	80.3	83.9	85.1	85.7	87.2	87.6	88.2	92.3
≥ 200	30.4	46.6	53.4	57.7	67.6	71.1	75.3	79.1	80.3	83.9	85.1	85.7	87.2	87.6	88.2	92.3
≥ 100	30.4	46.6	53.4	57.7	67.6	71.1	75.3	79.1	80.3	83.9	85.1	85.7	87.2	87.6	88.2	92.3
≥ 0	30.4	46.6	53.4	57.8	67.7	71.2	75.4	79.2	80.4	84.0	85.2	85.8	87.5	88.3	89.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

66-70, 73-77

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	32.9	37.8	39.8	41.7	43.8	48.5	51.4	53.2	54.8	56.7	58.8	59.4	59.8	60.1	60.2	62.
≥ 20000	33.5	38.6	40.6	42.7	46.9	50.0	51.0	54.8	56.6	58.4	60.9	61.4	61.8	62.2	62.4	65.
IV 18000	33.5	38.6	40.6	42.7	46.9	50.0	53.0	54.8	56.6	58.4	60.9	61.4	61.8	62.2	62.4	65.
IV 16000	33.8	38.8	40.9	42.9	47.1	50.2	53.2	55.1	56.8	58.6	61.1	61.6	62.2	62.5	62.7	65.
IV 14000	34.0	39.0	41.1	43.1	47.3	50.4	53.4	55.3	57.1	58.9	61.4	61.9	62.6	62.9	63.1	65.
IV 12000	34.2	39.2	41.4	43.5	47.7	50.9	53.9	55.8	57.6	59.5	61.9	62.6	63.2	63.5	63.8	66.
IV 10000	34.9	40.1	42.3	44.6	48.8	51.9	55.3	57.2	59.0	61.2	63.7	64.3	64.9	65.3	65.5	68.
IV 9000	35.1	40.2	42.4	44.9	49.1	52.3	55.6	57.5	59.4	61.5	64.0	64.6	65.3	65.6	65.8	68.
IV 8000	35.1	40.2	42.4	44.9	49.2	52.4	55.6	57.7	59.6	61.7	64.2	64.8	65.5	65.8	66.0	68.
IV 7000	35.1	40.2	42.4	44.9	49.3	52.6	55.8	58.1	59.9	62.0	64.5	65.2	65.8	66.1	66.3	69.
IV 6000	35.4	40.6	42.8	45.4	49.9	53.1	56.8	58.8	60.6	62.6	65.3	65.9	66.6	66.9	67.1	69.
IV 5500	35.4	40.6	42.8	45.4	49.9	53.1	56.8	58.8	60.6	62.8	65.3	65.9	66.6	66.9	67.1	69.
IV 4500	35.4	40.6	42.8	45.4	49.9	53.1	56.8	58.8	60.6	62.8	65.3	65.9	66.6	66.9	67.1	69.
IV 4000	35.4	40.8	43.0	45.6	50.2	53.4	57.4	59.5	61.4	63.5	66.0	66.7	67.3	67.6	67.8	70.
IV 3500	35.4	40.8	43.0	45.6	50.3	53.7	57.6	59.7	61.6	63.8	66.2	66.9	67.5	67.8	68.1	70.
IV 3000	35.6	41.2	43.5	46.5	51.3	54.7	58.7	60.8	62.7	64.8	67.3	68.0	68.6	68.9	69.1	71.
IV 2500	35.9	42.6	45.2	48.3	53.3	56.9	60.9	63.0	65.2	67.3	69.8	70.4	71.1	71.4	71.6	74.
IV 2000	36.2	43.5	46.2	49.6	55.1	58.8	62.9	65.4	67.5	69.7	72.2	72.8	73.4	73.8	74.0	76.
IV 1800	36.3	43.9	46.7	50.1	55.8	59.8	63.9	66.3	68.5	70.6	73.1	73.8	74.4	74.7	74.9	77.
IV 1500	36.3	44.0	46.8	50.6	56.9	61.1	65.3	67.8	70.0	72.3	74.7	75.4	76.1	76.5	76.8	79.
IV 1200	36.5	44.1	47.2	51.5	58.4	62.7	67.1	69.7	72.0	74.4	76.9	77.5	78.3	78.6	78.9	81.
IV 1000	36.5	44.1	47.4	51.8	58.9	63.3	67.8	70.8	73.1	75.5	78.0	78.7	79.5	79.8	80.1	82.
IV 900	36.5	44.1	47.4	52.0	59.4	64.2	68.7	71.9	74.3	76.7	79.1	80.0	80.8	81.1	81.4	84.
IV 800	36.6	44.2	47.5	52.2	59.5	64.3	68.8	72.0	74.4	76.8	79.4	80.2	81.0	81.3	81.6	84.
IV 700	36.6	44.2	47.5	52.3	59.6	64.5	69.0	72.7	75.2	77.6	80.2	81.1	81.8	82.2	82.5	85.
IV 600	36.6	44.2	47.5	52.3	59.7	64.8	69.7	73.5	76.0	78.5	81.5	82.4	83.1	83.4	83.8	86.
IV 500	36.6	44.2	47.5	52.3	59.7	64.8	69.9	73.8	76.3	79.0	82.2	83.2	84.2	84.5	84.9	88.
IV 400	36.6	44.3	47.6	52.4	59.8	65.1	70.4	74.3	77.0	79.9	83.0	84.1	85.1	85.6	86.2	89.
IV 300	36.6	44.3	47.6	52.4	59.8	65.1	70.4	74.3	77.0	80.3	83.8	84.9	86.0	86.7	87.5	91.
IV 200	36.6	44.3	47.6	52.4	59.8	65.1	70.4	74.4	77.1	80.5	84.0	85.8	87.0	87.8	89.4	93.
IV 100	36.6	44.3	47.6	52.4	59.8	65.1	70.4	74.4	77.1	80.5	84.0	85.9	87.2	88.3	90.4	97.
IV 0	36.6	44.3	47.6	52.4	59.8	65.1	70.4	74.4	77.1	80.5	84.0	85.9	87.2	88.3	90.6	100.

TOTAL NUMBER OF OBSERVATIONS

931



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

65-70,73-77

201

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0
NO CEILING	46.5	53.7	57.6	60.6	64.9	68.9	70.2	71.5	72.0	72.7	73.1	73.1	73.2	73.2	73.2	73.2
≥ 2000	48.5	55.7	60.1	63.3	68.1	72.4	73.8	75.2	75.7	76.5	76.9	76.9	77.0	77.0	77.0	77.0
≥ 1500	48.5	55.7	60.1	63.3	68.2	72.5	73.9	75.5	76.0	76.8	77.2	77.2	77.3	77.3	77.3	77.3
≥ 1000	48.6	55.8	60.3	63.5	68.5	72.8	74.2	75.8	76.3	77.2	77.6	77.6	77.7	77.7	77.7	77.7
≥ 700	48.8	56.1	60.6	63.9	69.0	73.4	74.8	76.6	77.1	78.0	78.4	78.4	78.5	78.5	78.5	78.5
≥ 500	49.7	57.1	61.7	64.9	70.2	74.6	76.0	78.0	78.5	79.5	79.9	79.9	80.0	80.0	80.0	80.0
≥ 400	49.8	57.3	62.0	65.3	70.5	74.9	76.3	78.3	78.8	79.8	80.2	80.2	80.3	80.3	80.3	80.3
≥ 300	50.0	57.8	62.7	66.1	71.5	76.1	77.5	79.5	80.0	81.0	81.4	81.4	81.5	81.5	81.5	81.5
≥ 200	50.0	57.8	62.7	66.2	71.8	76.5	77.8	79.8	80.3	81.3	81.7	81.7	81.8	81.8	81.8	81.8
≥ 150	50.1	58.1	63.0	66.6	72.2	76.8	78.2	80.1	80.6	81.6	82.0	82.0	82.2	82.2	82.2	82.2
≥ 100	50.4	58.4	63.3	66.9	72.5	77.2	78.7	80.6	81.2	82.3	82.7	82.7	82.8	82.8	82.8	82.8
≥ 75	50.4	58.4	63.3	66.9	72.5	77.2	78.7	80.6	81.3	82.4	82.8	82.8	82.9	82.9	82.9	82.9
≥ 50	50.4	59.0	64.0	67.5	73.2	78.0	79.5	81.5	82.2	83.2	83.7	83.7	83.8	83.8	83.8	83.8
≥ 25	50.9	59.6	64.5	68.2	74.2	79.0	80.5	82.6	83.2	84.3	84.7	84.7	84.8	84.8	84.8	84.8
≥ 20	51.6	61.3	66.2	70.2	76.3	81.3	83.0	85.1	85.7	86.8	87.2	87.2	87.3	87.3	87.3	87.3
≥ 15	52.2	62.3	67.3	71.3	77.4	82.5	84.2	86.5	87.1	88.2	88.6	88.6	88.7	88.7	88.7	88.7
≥ 10	52.5	62.7	68.6	72.7	79.1	84.4	86.1	88.5	89.1	90.2	90.6	90.6	90.8	90.8	90.8	90.8
≥ 7.5	52.6	62.9	68.8	73.0	79.5	84.9	86.7	89.0	89.7	90.8	91.2	91.2	91.3	91.3	91.3	91.3
≥ 5	53.0	63.4	69.5	74.0	80.9	87.0	88.7	91.1	91.7	92.8	93.2	93.2	93.3	93.3	93.3	93.3
≥ 3	53.0	63.5	69.7	74.2	81.2	87.3	89.0	91.4	92.2	93.2	93.7	93.7	93.9	93.9	93.9	93.9
≥ 2	53.1	63.8	70.0	74.5	81.8	88.4	90.3	92.8	93.7	94.7	95.3	95.4	95.5	95.5	95.5	95.5
≥ 1	53.1	63.8	70.0	74.5	81.8	88.5	90.4	92.9	93.8	94.9	95.5	95.6	95.7	95.7	95.7	95.7
≥ 0.5	53.1	63.8	70.0	74.5	81.8	88.5	90.5	93.0	94.0	95.4	95.9	96.0	96.1	96.1	96.1	96.1
≥ 0.3	53.1	63.8	70.0	74.5	81.8	88.7	90.8	93.3	94.3	95.8	96.2	96.5	96.6	96.6	96.6	96.6
≥ 0.2	53.1	63.8	70.0	74.5	81.8	88.8	91.0	93.5	94.7	96.3	96.9	97.0	97.2	97.2	97.2	97.2
≥ 0.1	53.1	63.9	70.1	74.6	81.9	88.9	91.2	93.8	95.1	96.8	97.4	97.5	97.7	97.7	97.7	97.7
≥ 0.05	53.1	63.9	70.1	74.6	81.9	88.9	91.2	93.8	95.1	96.8	97.7	98.0	98.3	98.4	98.4	98.4
≥ 0.03	53.1	63.9	70.1	74.6	81.9	88.9	91.3	93.9	95.2	96.9	97.8	98.3	98.7	98.9	98.9	98.9
≥ 0.02	53.1	63.9	70.1	74.6	81.9	88.9	91.3	93.9	95.2	97.0	98.0	98.4	98.8	99.4	99.4	99.7
≥ 0.01	53.1	63.9	70.1	74.6	81.9	88.9	91.3	93.9	95.2	97.0	98.0	98.4	98.8	99.4	99.5	100.0
≥ 0	53.1	63.9	70.1	74.6	81.9	88.9	91.3	93.9	95.2	97.0	98.0	98.4	98.8	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

06-70, 73-77

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	48.6	57.3	61.2	64.2	70.1	74.3	77.4	79.0	79.4	80.1	80.3	80.3	80.3	80.3	80.3	80.3
≥ 20000	51.3	60.6	64.9	68.4	74.8	79.1	82.5	84.1	84.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6
≥ 18000	51.5	60.9	65.2	68.6	75.1	79.4	82.7	84.3	84.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	51.6	61.0	65.3	68.7	75.2	79.5	82.8	84.4	84.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 14000	51.6	61.1	65.4	68.8	75.3	79.6	83.1	84.7	85.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3
≥ 12000	52.2	61.8	66.1	69.5	76.3	80.8	84.3	85.9	86.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5
≥ 10000	52.8	62.5	66.9	70.4	77.3	81.7	85.3	86.9	87.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5
≥ 9000	52.8	62.5	66.9	70.4	77.3	81.7	85.3	86.9	87.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5
≥ 8000	53.5	63.5	68.1	71.6	78.5	82.9	86.5	88.1	88.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥ 7000	53.5	63.7	68.3	71.8	78.9	83.4	87.0	88.6	88.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2
≥ 6000	53.5	63.7	68.4	71.9	79.0	83.7	87.2	88.8	89.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4
≥ 5000	54.0	64.4	69.1	72.7	79.8	84.5	88.1	89.7	90.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	54.0	64.4	69.1	72.7	79.8	84.5	88.1	89.7	90.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	54.8	65.7	70.5	74.1	81.2	85.9	89.6	91.2	91.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	55.7	66.6	71.4	75.2	82.6	87.3	91.1	92.8	93.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	57.1	68.0	72.8	76.8	84.3	89.1	92.9	94.6	94.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	57.4	68.4	73.2	77.2	84.9	89.9	93.7	95.4	95.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000	57.4	68.6	73.5	77.6	85.6	90.5	94.4	96.1	96.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	57.4	68.6	73.5	77.6	85.8	90.8	94.6	96.3	96.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	57.3	68.7	73.7	78.0	86.3	91.4	95.5	97.3	97.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	57.5	68.7	73.7	78.0	86.3	91.4	95.5	97.4	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 950



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23119 MARCH AFB CA/RIVERSIDE

65-70, 73-77

GCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
NO CEILING	38.2	48.2	52.2	57.0	65.8	73.0	78.8	82.2	83.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
20000	39.5	49.9	54.0	58.9	68.0	75.8	81.8	85.2	86.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
18000	39.6	50.1	54.2	59.1	68.2	76.0	82.0	85.4	86.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
16000	39.6	50.1	54.2	59.1	68.2	76.0	82.0	85.4	86.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
14000	39.6	50.2	54.3	59.2	68.3	76.1	82.2	85.5	86.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
12000	39.8	50.6	54.9	60.0	69.1	77.3	83.3	86.7	88.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
10000	40.6	51.6	56.0	61.3	70.5	78.8	84.8	88.2	89.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
9000	40.6	51.6	56.0	61.3	70.5	78.8	84.8	88.2	89.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8000	41.5	53.0	57.4	62.7	72.0	80.4	86.6	89.9	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
7000	41.9	53.5	58.0	63.2	72.6	81.1	87.2	90.5	91.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2
6000	42.3	53.9	58.3	63.5	72.9	81.4	87.5	90.9	92.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
5000	42.6	54.2	58.6	63.9	73.2	81.7	87.8	91.2	92.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4500	42.6	54.2	58.6	63.9	73.2	81.7	87.8	91.2	92.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4000	43.4	55.3	59.7	65.2	74.9	83.5	89.9	93.3	94.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
3500	44.0	55.8	60.3	65.8	75.7	84.5	90.9	94.3	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
3000	44.8	56.8	61.3	66.8	76.6	85.7	92.0	95.5	96.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
2500	44.8	57.0	61.6	67.1	77.1	86.0	92.4	95.8	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2000	44.8	57.0	61.6	67.1	77.5	86.6	92.9	96.3	97.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1800	44.8	57.0	61.6	67.1	77.5	86.6	92.9	96.3	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2
1600	44.8	57.0	61.6	67.1	77.5	86.8	93.2	96.7	98.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
1400	44.8	57.0	61.6	67.1	77.5	86.8	93.2	96.7	98.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
1200	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
1000	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
900	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
800	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
700	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
600	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
500	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
400	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
300	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
100	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	44.8	57.1	61.7	67.2	77.6	86.9	93.3	96.8	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2011

MARCH 1974/RIVERSIDE

66-70,73-77

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1600-2000

		VISIBILITY (FEET)															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
CEILING (FEET)	100	34.1	42.0	54.0	61.6	72.7	76.5	81.8	83.9	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9
	200	34.3	49.8	55.3	62.5	74.1	77.8	81.3	85.4	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1000	1000	34.3	49.8	55.3	62.5	74.1	77.8	81.3	85.4	85.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4
	2000	34.5	50.0	55.5	62.7	74.3	78.1	81.5	85.7	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2000	2000	34.7	50.3	55.8	63.0	74.6	78.4	81.9	85.0	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1
	3000	34.8	50.4	55.9	63.1	74.7	78.6	82.1	86.2	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3
3000	3000	35.0	51.6	57.4	64.9	75.6	80.8	85.2	88.4	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
	4000	35.3	51.6	57.4	64.9	76.0	80.8	85.2	88.4	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6
4000	4000	35.1	51.9	57.7	65.3	76.9	81.1	85.6	88.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	5000	36.6	52.5	58.5	66.0	77.6	81.9	86.4	89.6	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8
5000	5000	36.7	52.7	58.9	66.5	78.1	82.4	86.8	90.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	6000	37.0	53.0	59.2	67.0	78.6	82.9	87.4	90.5	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8
6000	6000	37.3	53.3	59.6	67.3	78.9	83.2	87.7	90.9	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	7000	38.0	54.1	60.4	68.3	80.1	84.4	88.9	92.0	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
7000	7000	38.5	54.8	61.2	69.1	81.0	85.4	89.9	93.0	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	8000	38.6	56.3	62.7	70.9	83.0	87.5	92.0	95.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
8000	8000	39.7	56.8	63.1	71.5	83.8	88.3	92.8	95.9	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2
	9000	39.7	56.9	63.3	72.0	84.3	88.8	93.3	96.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
9000	9000	39.7	56.9	63.3	72.2	84.4	88.9	93.4	96.6	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0
	10000	39.8	57.1	63.5	72.4	84.6	89.2	94.7	96.9	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6
10000	10000	39.8	57.1	63.5	72.5	84.8	89.5	94.9	97.1	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
	11000	39.8	57.1	63.5	72.5	84.8	89.5	94.9	97.1	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
11000	11000	39.8	57.1	63.5	72.5	84.8	89.5	94.9	97.1	98.8	99.6	99.9	99.9	99.9	99.9	99.9	99.9
	12000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
12000	12000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	13000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
13000	13000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	14000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
14000	14000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
	15000	39.8	57.1	63.7	72.6	84.9	89.6	95.1	97.2	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF FTAC  
AIR WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

73112 HARCH AFB CA/RIVERSIDE

66-70, 73-77

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET)	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO DATA	32.6	47.8	53.2	59.9	66.4	71.7	77.9	79.2	80.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
≥ 4000	32.8	48.5	54.0	60.6	69.2	72.6	77.7	80.1	81.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
≥ 3500	32.8	48.5	54.0	60.6	69.2	72.6	77.7	80.2	81.1	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
≥ 3000	32.8	48.5	54.0	60.6	69.2	72.5	77.7	80.2	81.1	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
≥ 2500	33.1	48.8	54.4	61.1	69.7	73.0	77.2	80.6	81.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	
≥ 2000	33.7	49.6	55.2	62.0	70.8	74.3	77.6	82.2	83.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
≥ 1500	33.7	49.6	55.3	62.2	71.0	74.5	74.8	82.4	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
≥ 1000	33.7	49.7	55.4	62.5	71.3	74.8	75.1	82.7	83.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
≥ 800	33.7	49.8	55.7	62.8	71.6	75.2	75.4	83.0	84.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
≥ 600	34.1	50.3	56.2	63.3	72.6	76.1	81.4	84.0	84.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
≥ 400	34.7	51.0	57.2	64.3	73.5	77.1	82.4	84.9	85.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	
≥ 300	34.8	51.1	57.3	64.6	73.9	77.4	82.7	85.3	86.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	
≥ 200	35.1	52.0	58.3	65.6	74.8	78.4	83.7	86.2	87.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	
≥ 150	35.5	52.7	59.0	66.3	75.6	79.1	84.4	87.0	88.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
≥ 100	36.0	53.9	60.2	67.5	77.3	80.9	86.1	88.7	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
≥ 80	36.7	55.1	61.4	69.0	78.8	82.4	87.6	90.2	91.2	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
≥ 60	36.9	55.4	61.7	70.0	80.1	83.8	89.0	91.7	92.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
≥ 40	37.0	55.6	61.9	70.2	80.3	84.0	89.2	91.9	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
≥ 30	37.0	55.8	62.4	70.8	81.0	84.6	89.9	92.6	93.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
≥ 20	37.0	55.9	62.5	71.3	81.7	85.4	90.6	93.3	94.3	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
≥ 10	37.0	56.0	62.6	71.4	81.9	85.8	91.1	93.8	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
≥ 5	37.1	56.1	62.7	71.5	82.2	86.0	91.3	94.0	94.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
≥ 3	37.1	56.1	62.8	71.6	82.3	86.1	91.6	94.6	95.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
≥ 2	37.1	56.2	62.9	71.7	82.5	86.6	92.0	95.1	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
≥ 1	37.1	56.2	62.9	71.7	82.5	86.7	92.2	95.3	96.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
≥ 0	37.1	56.2	63.0	71.8	82.6	86.9	92.4	95.7	96.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
≥ 0	37.1	56.2	63.1	71.9	82.7	87.0	92.5	95.8	96.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 0	37.1	56.2	63.1	71.9	82.7	87.0	92.5	95.8	96.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
≥ 0	37.1	56.2	63.1	71.9	82.7	87.0	92.5	95.8	96.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110 MARCH AFB CA/RIVERSIDE

6-70, 73-77

001

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

	2	24	2	24	2	24	2	24	2	24	2	24	2	24	2	24	2	24
2 1000	36.3	47.0	51.1	55.3	52.3	55.9	5	8	12.1	73.1	74.5	75.0	75.7	75.4	75.5	75.5	76.4	
2 900	37.3	45.3	52.5	55.0	54.1	67.9	7	9	74.2	75.2	76.7	77.2	77.4	77.6	77.7	77.8	78.6	
2 800	37.3	45.3	52.5	56.9	54.1	68.0	7	9	74.2	75.3	76.7	77.3	77.4	77.6	77.7	77.8	78.6	
2 700	37.4	45.4	52.7	57.0	64.3	68.1	7	1	74.4	75.4	76.9	77.5	77.5	77.9	78.0	78.1	78.9	
2 600	37.5	45.5	52.8	57.1	54.4	68.3	7	2	74.5	75.6	77.1	77.7	77.9	78.1	78.2	78.3	79.2	
2 500	37.7	45.8	53.2	57.5	64.9	68.9	7	9	75.2	76.3	77.8	78.3	78.5	78.8	78.9	79.0	79.8	
2 400	38.4	45.4	54.0	58.6	66.0	70.1	7	2	76.0	77.7	79.2	79.3	80.0	80.3	80.4	80.5	81.3	
2 300	38.4	45.5	54.1	58.7	66.2	70.2	7	3	76.7	77.8	79.4	80.0	80.1	80.4	80.5	80.6	81.4	
2 200	38.6	50.1	54.6	59.2	66.8	70.9	7	0	77.4	78.5	80.0	80.8	80.8	81.1	81.2	81.3	82.1	
2 100	38.8	50.4	55.0	59.6	67.2	71.4	7	5	77.9	79.0	80.5	81.1	81.3	81.6	81.7	81.7	82.6	
2 000	39.0	50.7	55.3	59.9	67.6	71.9	7	0	78.4	79.5	81.0	81.6	81.8	82.1	82.2	82.3	83.1	
2 900	39.3	51.0	55.7	60.3	68.1	72.3	7	5	78.9	80.0	81.6	82.1	82.3	82.6	82.7	82.8	83.6	
2 800	39.4	51.1	55.8	60.4	68.2	72.4	7	5	79.0	80.1	81.7	82.3	82.4	82.7	82.8	82.9	83.7	
2 700	39.7	51.7	56.5	61.2	69.1	73.3	7	6	80.0	81.1	82.7	83.3	83.4	83.7	83.8	83.9	84.8	
2 600	40.0	52.2	57.0	61.8	69.7	74.1	7	3	80.8	81.9	83.5	84.1	84.2	84.5	84.6	84.7	85.5	
2 500	40.7	53.3	58.1	63.1	71.2	75.7	7	9	82.4	83.5	85.1	85.7	85.8	86.2	86.2	86.3	87.2	
2 400	41.0	54.1	59.0	64.2	72.4	76.9	8	1	83.7	84.8	86.4	87.0	87.1	87.5	87.6	87.6	88.5	
2 300	41.2	54.6	59.8	65.2	73.8	78.4	8	7	85.3	86.4	88.0	88.6	88.6	89.1	89.2	89.2	90.1	
2 200	41.3	54.9	60.2	65.6	74.2	78.9	8	2	85.8	87.0	88.6	89.2	89.3	89.6	89.7	89.8	90.7	
2 100	41.3	55.2	60.6	66.2	75.1	79.9	8	3	86.9	88.1	89.7	90.3	90.5	90.9	90.9	91.0	91.9	
2 000	41.4	55.3	60.8	66.5	75.6	80.4	8	4	87.5	88.7	90.3	91.0	91.2	91.5	91.6	91.7	92.5	
2 900	41.4	55.4	61.0	66.8	76.0	81.0	8	5	88.2	89.4	91.1	91.7	91.9	92.2	92.3	92.4	93.3	
2 800	41.4	55.4	61.1	66.9	76.2	81.3	8	5	88.5	89.9	91.6	92.2	92.4	92.7	92.8	92.9	93.8	
2 700	41.4	55.4	61.1	67.3	76.3	81.5	8	6	88.9	90.2	91.9	92.6	92.8	93.1	93.2	93.3	94.2	
2 600	41.4	55.4	61.1	67.0	76.4	81.7	8	6	89.2	90.5	92.3	93.0	93.1	93.5	93.6	93.7	94.5	
2 500	41.4	55.4	61.2	67.0	76.5	81.9	8	6	89.6	90.9	92.8	93.6	93.8	94.1	94.2	94.3	95.2	
2 400	41.4	55.4	61.2	67.1	76.6	82.1	8	8	89.9	91.3	93.3	94.2	94.4	94.8	94.9	95.0	95.9	
2 300	41.4	55.5	61.2	67.1	76.7	82.2	8	7	90.1	91.5	93.6	94.6	94.8	95.2	95.4	95.5	96.5	
2 200	41.4	55.5	61.2	67.1	76.7	82.2	8	7	90.2	91.6	93.8	94.9	95.2	95.6	95.8	96.0	97.0	
2 100	41.4	55.5	61.2	67.1	76.7	82.2	8	7	90.2	91.7	94.0	95.1	95.5	96.1	96.3	96.6	97.7	
2 000	41.4	55.5	61.2	67.1	76.7	82.2	8	7	90.2	91.7	94.0	95.1	95.5	96.1	96.5	97.0	99.1	
2 900	41.4	55.5	61.2	67.1	76.7	82.2	8	7	90.2	91.7	94.0	95.1	95.5	96.1	96.5	97.0	100.0	

TOTAL NUMBER OF OBSERVATION. 7439

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2-110 MARCH AFSCA/RIVERSIDE

6-70, 73-77

1-7

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
42.6	51.1	55.6	59.2	63.4	64.6	67.3	70.2	71.6	73.2	73.3	74.4	74.6	75.3	75.7	76.2						
42.9	51.2	56.0	59.4	63.7	64.8	67.6	70.4	71.8	73.4	74.0	74.7	75.0	75.6	75.9	76.4						
42.9	51.2	56.0	59.4	63.7	64.8	67.6	70.4	71.8	73.4	74.0	74.7	75.0	75.6	75.9	76.4						
42.9	51.2	56.0	59.4	63.7	64.8	67.6	70.4	71.8	73.4	74.0	74.7	75.0	75.6	75.9	76.4						
43.1	51.4	56.2	59.9	64.1	65.2	68.0	70.9	72.2	73.9	74.4	75.2	75.6	76.2	76.6	77.1						
43.6	52.1	57.0	60.7	64.9	66.2	68.8	71.7	73.0	74.7	75.2	76.2	76.3	77.0	77.3	77.9						
44.4	53.2	58.2	61.9	66.1	67.2	70.0	72.9	74.2	75.9	76.4	77.2	77.6	78.2	78.6	79.1						
44.9	53.8	58.9	62.6	66.8	67.9	70.7	73.6	74.9	76.6	77.1	77.9	78.2	78.9	79.2	79.8						
45.1	54.1	59.2	62.9	67.1	68.2	71.0	73.9	75.2	76.9	77.4	78.2	78.4	79.2	79.6	80.1						
45.1	54.2	59.3	63.0	67.2	68.3	71.2	74.1	75.4	77.1	77.7	78.4	78.6	79.4	79.8	80.3						
45.3	54.9	60.0	63.7	67.9	69.0	71.9	74.8	76.1	77.8	78.3	79.1	79.4	80.1	80.4	81.0						
45.6	55.1	60.2	63.9	68.1	69.2	72.1	75.0	76.3	78.0	78.6	79.3	79.7	80.3	80.7	81.2						
45.6	55.2	60.3	64.0	68.2	69.3	72.2	75.1	76.4	78.1	78.7	79.4	79.8	80.4	80.8	81.3						
46.1	56.8	62.0	65.7	69.9	71.0	73.9	76.9	78.2	79.9	80.4	81.2	81.6	82.2	82.6	83.1						
46.7	58.1	63.3	67.0	71.2	72.3	75.2	78.2	79.6	81.2	81.8	82.6	82.9	83.6	83.9	84.4						
47.2	59.0	64.4	68.1	72.3	73.5	76.4	79.4	80.8	82.4	83.0	83.8	84.1	84.8	85.1	85.7						
47.2	59.4	64.9	68.7	73.0	74.3	77.2	80.2	81.6	83.2	83.8	84.6	84.9	85.6	85.9	86.4						
47.6	60.7	66.4	70.3	74.6	76.1	79.2	82.3	83.7	85.3	85.9	86.7	87.0	87.7	88.0	88.6						
47.6	61.1	67.0	70.9	75.3	76.7	79.9	83.0	84.3	86.0	86.6	87.3	87.7	88.3	88.7	89.2						
47.7	61.2	67.1	71.2	75.7	77.1	80.3	83.4	84.8	86.4	87.0	87.8	88.1	88.8	89.1	89.7						
47.7	61.6	68.2	72.3	76.8	78.3	81.8	85.1	86.4	88.1	88.7	89.4	89.8	90.6	90.9	91.4						
47.7	61.9	68.3	72.5	77.0	78.6	82.0	85.6	86.9	88.6	89.1	89.9	90.2	91.0	91.3	91.9						
47.7	62.0	68.4	72.7	77.1	78.7	82.1	85.7	87.0	88.7	89.2	90.0	90.3	91.1	91.4	92.0						
47.7	62.3	68.8	73.0	77.4	79.2	82.7	86.6	87.9	89.7	90.4	91.3	91.7	92.4	92.8	93.3						
47.7	62.3	68.9	73.1	77.6	79.3	82.8	86.7	88.1	89.9	90.7	91.6	91.9	92.7	93.0	93.7						
47.7	62.3	68.9	73.1	77.6	79.3	82.8	87.2	88.8	90.8	91.8	92.8	93.1	93.9	94.2	94.9						
47.7	62.6	69.1	73.3	77.8	79.6	83.1	87.8	89.3	91.4	92.4	93.4	93.8	94.6	94.9	95.7						
47.7	62.6	69.1	73.3	77.8	79.6	83.1	87.8	89.4	91.6	92.7	93.8	94.4	95.2	96.1	97.7						
47.7	62.6	69.1	73.3	77.8	79.6	83.1	87.8	89.4	91.6	92.7	93.8	94.4	95.3	96.2	98.9						
47.7	62.6	69.1	73.3	77.8	79.6	83.1	87.8	89.4	91.6	92.7	93.8	94.4	95.3	96.2	100.0						

TOTAL NUMBER OF OBSERVATIONS 000

DATA PROCESSING BRANCH  
USAF ETAC  
AIR CATER SERVICE/AC

# CEILING VERSUS VISIBILITY

2311

MARCH APR CA/RIVERSIDE

66-70, 73-77

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATISTICS															
	≥ 17	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
≥ 2000	43.8	51.0	54.2	57.6	60.3	62.2	63.6	65.9	67.2	68.1	68.7	69.2	69.6	69.9	70.1	73.0
≥ 1800	43.8	51.1	54.3	58.0	61.0	62.9	64.2	66.6	67.9	68.8	69.3	69.9	70.2	70.6	70.8	73.7
≥ 1600	43.8	51.1	54.3	58.0	61.0	62.9	64.2	65.6	67.9	68.8	69.3	69.9	70.2	70.6	70.8	73.7
≥ 1400	43.8	51.1	54.4	58.1	61.1	63.0	64.3	66.7	68.0	68.9	69.4	70.0	70.3	70.7	70.9	73.7
≥ 1200	43.9	51.3	54.7	58.3	61.2	63.2	64.8	67.1	68.4	69.3	69.9	70.4	70.8	71.1	71.3	74.2
≥ 1000	44.3	51.8	55.1	58.8	61.8	63.7	65.2	67.6	68.9	69.8	70.3	70.9	71.2	71.6	71.8	74.7
≥ 800	45.1	52.6	55.9	59.6	62.6	64.4	66.0	68.3	69.7	70.6	71.1	71.7	72.0	72.3	72.6	75.4
≥ 600	45.2	52.7	56.0	59.7	62.7	64.6	66.1	68.4	69.8	70.7	71.2	71.8	72.1	72.4	72.7	75.6
≥ 400	45.3	52.8	56.1	59.8	62.8	64.7	66.2	68.6	69.9	70.8	71.3	71.9	72.2	72.6	72.8	75.7
≥ 200	45.8	53.9	57.2	60.9	64.0	65.9	67.4	69.8	71.1	72.1	72.7	73.2	73.6	73.9	74.1	77.0
≥ 100	45.8	54.1	57.4	61.1	64.2	66.1	67.7	70.0	71.3	72.3	72.9	73.4	73.8	74.1	74.3	77.2
≥ 0	45.8	54.1	57.4	61.1	64.2	66.1	67.7	70.0	71.3	72.3	72.9	73.4	73.8	74.1	74.3	77.2
≥ 3500	46.4	55.0	58.7	62.3	65.4	67.3	68.0	71.3	72.7	73.7	74.2	74.8	75.1	75.4	75.7	78.6
≥ 3000	46.7	55.4	59.2	62.9	66.0	67.9	68.6	71.9	73.2	74.2	74.8	75.3	75.7	76.0	76.2	79.1
≥ 2500	47.3	56.7	60.6	64.3	67.4	69.3	71.0	73.3	74.7	75.7	76.2	76.8	77.1	77.4	77.7	80.6
≥ 2000	48.0	58.4	62.3	66.1	69.2	71.1	72.8	75.3	76.7	77.7	78.2	78.8	79.1	79.4	79.7	82.6
≥ 1800	48.1	58.7	62.6	66.4	69.9	71.8	73.6	76.1	77.4	78.4	79.0	79.6	79.9	80.2	80.4	83.3
≥ 1600	48.1	58.7	62.7	66.6	70.0	71.9	73.7	76.2	77.6	78.6	79.1	79.7	80.0	80.3	80.6	83.4
≥ 1400	48.2	59.2	63.3	67.2	70.9	72.9	74.8	77.3	78.8	79.8	80.3	80.9	81.2	81.6	81.8	84.7
≥ 1200	48.4	59.8	64.0	67.9	71.6	73.6	75.4	78.0	79.4	80.6	81.2	81.8	82.1	82.4	82.7	85.6
≥ 1000	48.4	60.2	64.4	68.4	72.1	74.1	76.1	78.8	80.2	81.3	82.0	82.6	82.9	83.2	83.4	86.3
≥ 900	48.4	60.2	64.7	68.7	72.3	74.4	76.4	79.1	80.7	81.8	82.6	83.1	83.4	83.8	84.0	86.9
≥ 800	48.4	60.3	64.8	69.1	72.9	75.0	77.1	80.1	81.8	82.9	83.7	84.2	84.6	84.9	85.1	88.0
≥ 700	48.4	60.3	64.8	69.1	72.9	75.0	77.1	80.2	81.9	83.0	83.8	84.3	84.7	85.0	85.3	88.3
≥ 600	48.4	60.3	64.9	69.2	73.2	75.3	77.4	80.6	82.3	83.7	84.4	85.3	85.7	86.0	86.3	89.3
≥ 500	48.4	60.3	64.9	69.2	73.2	75.3	77.4	81.2	83.4	85.0	85.9	86.8	87.1	87.4	87.8	90.8
≥ 400	48.4	60.4	65.1	69.4	73.4	75.6	77.7	81.4	83.7	85.4	86.3	87.2	87.6	87.9	88.3	91.7
≥ 300	48.4	60.4	65.1	69.4	73.7	75.8	77.9	81.9	84.2	86.0	87.0	87.9	88.4	88.8	89.2	92.6
≥ 200	48.4	60.4	65.1	69.4	73.7	75.8	77.9	81.9	84.2	86.1	87.4	88.3	88.9	89.3	89.9	93.8
≥ 100	48.4	60.4	65.1	69.6	73.8	75.9	78.1	82.2	84.6	86.4	87.8	88.7	89.2	89.7	90.7	97.1
≥ 0	48.4	60.4	65.1	69.6	73.8	75.9	78.1	82.2	84.6	86.4	87.8	88.7	89.2	89.7	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23115 MARCH AFB CA/RIVERSIDE

06-70, 73-77

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. BEING	47.3	51.4	53.2	54.7	56.6	58.1	59.1	60.8	61.4	62.7	64.2	64.7	65.1	65.2	65.7	66.7
≥ 20000	48.6	53.9	55.0	56.4	58.4	60.1	61.2	62.9	63.6	64.8	66.3	66.8	67.2	67.3	67.8	71.0
≥ 15000	48.8	53.2	55.2	56.7	58.7	60.3	61.4	63.2	63.9	65.1	66.7	67.1	67.5	67.7	68.1	71.3
≥ 10000	48.9	53.3	55.3	56.8	58.8	60.4	61.6	63.3	64.1	65.3	66.9	67.4	67.9	68.0	68.4	71.7
≥ 7500	49.1	53.6	55.6	57.0	59.0	60.7	61.8	63.7	64.4	65.7	67.2	67.8	68.2	68.3	68.8	72.0
≥ 5000	49.4	54.7	56.0	57.4	59.4	61.2	62.3	64.3	65.2	66.4	68.0	68.6	69.0	69.1	69.6	72.8
≥ 3000	50.1	54.7	56.7	58.1	60.1	61.9	63.0	65.1	66.0	67.2	68.8	69.4	69.9	70.0	70.4	73.7
≥ 2000	51.2	55.8	57.8	59.2	61.2	63.0	64.1	66.2	67.2	68.4	70.0	70.7	71.1	71.2	71.7	74.9
≥ 1500	51.4	56.1	58.1	59.6	61.6	63.3	64.4	66.6	67.6	68.8	70.3	71.0	71.4	71.6	72.0	75.2
≥ 1000	51.4	56.1	58.1	59.6	61.6	63.3	64.4	66.6	67.6	68.8	70.3	71.0	71.4	71.6	72.0	75.2
≥ 800	51.7	56.3	58.3	59.8	61.8	63.6	64.7	66.8	67.8	69.0	70.6	71.2	71.7	71.8	72.2	75.4
≥ 600	52.0	56.7	58.7	60.1	62.1	63.9	65.0	67.1	68.1	69.3	70.9	71.6	72.0	72.1	72.6	75.8
≥ 4500	52.1	56.8	58.8	60.2	62.2	64.0	65.1	67.2	68.2	69.4	71.0	71.7	72.1	72.2	72.7	75.9
≥ 4000	53.0	57.7	59.7	61.3	63.4	65.3	66.4	68.6	69.6	70.8	72.3	73.0	73.4	73.6	74.0	77.2
≥ 3500	53.3	58.2	60.2	62.0	64.1	66.0	67.1	69.2	70.2	71.6	73.1	73.8	74.2	74.3	74.8	78.0
≥ 3000	53.3	59.2	61.2	63.1	65.4	67.3	68.4	70.6	71.6	72.9	74.4	75.1	75.6	75.7	76.1	79.3
≥ 2500	54.9	60.7	62.8	64.7	67.1	69.2	71.4	72.6	73.8	75.2	76.8	77.4	77.8	78.0	78.4	81.7
≥ 2000	55.0	60.8	63.0	65.0	67.0	69.7	71.9	73.0	74.4	75.9	77.4	78.1	78.6	78.7	79.2	82.4
≥ 1800	55.1	60.9	63.1	65.1	67.8	69.9	71.1	73.2	74.7	76.1	77.7	78.3	78.8	78.9	79.4	82.7
≥ 1500	55.2	61.3	63.7	65.7	68.7	71.1	72.6	74.8	76.2	77.7	79.2	79.9	80.3	80.4	81.0	84.2
≥ 1200	55.4	61.9	64.2	66.2	69.2	71.9	73.3	75.7	77.1	78.6	80.1	80.8	81.2	81.3	81.9	85.1
≥ 1000	55.4	62.1	64.7	66.9	69.9	72.6	74.2	76.5	78.0	79.4	81.0	81.7	82.1	82.2	82.8	86.0
≥ 900	55.4	62.1	64.7	67.1	70.1	72.9	74.7	77.1	78.6	80.0	81.8	82.6	83.0	83.1	83.7	86.9
≥ 800	55.4	62.2	64.9	67.6	70.7	73.6	75.4	78.1	79.6	81.3	83.1	83.9	84.3	84.4	85.0	88.2
≥ 700	55.4	62.3	65.0	67.7	70.8	73.7	75.7	78.3	79.9	81.7	83.4	84.2	84.7	84.8	85.3	88.6
≥ 600	55.4	62.3	65.0	67.7	70.9	73.8	75.9	78.6	80.1	82.1	83.9	84.8	85.2	85.3	85.9	89.1
≥ 500	55.4	62.3	65.0	67.7	70.9	73.8	76.0	78.7	80.2	82.3	84.2	85.3	86.0	86.1	86.8	90.2
≥ 400	55.4	62.3	65.0	67.7	70.9	73.9	76.2	78.9	80.4	82.7	84.7	85.9	86.7	86.9	87.6	91.1
≥ 300	55.4	62.3	65.0	67.7	70.9	73.9	76.2	78.9	80.4	82.7	84.8	86.0	87.0	87.4	88.2	91.9
≥ 200	55.4	62.3	65.0	67.7	70.9	73.9	76.2	78.9	80.7	83.1	85.3	86.6	87.8	88.2	89.7	93.7
≥ 100	55.4	62.3	65.0	67.7	70.9	73.9	76.2	78.9	80.7	83.1	85.3	86.6	88.0	88.7	90.4	97.4
≥ 0	55.4	62.3	65.0	67.7	70.9	73.9	76.2	78.9	80.7	83.1	85.3	86.6	88.0	88.7	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23115 MARCH AFB CA/RIVERSIDE

65-70, 73-77

40V

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICAL VALUES															
	25	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	57.3	57.0	54.7	67.4	69.7	71.8	71.3	74.4	74.9	75.4	75.7	75.8	76.0	76.2	76.2	76.7
≥ 2000	59.1	64.0	67.0	70.0	72.1	74.4	71.1	77.4	77.9	78.4	78.8	78.9	79.1	79.3	79.3	79.8
≥ 1800	59.3	64.2	67.2	70.2	72.6	74.7	71.3	77.7	78.1	78.7	79.0	79.1	79.3	79.6	79.6	80.0
≥ 1600	59.3	64.2	67.2	70.2	72.6	74.7	71.3	77.7	78.1	78.7	79.0	79.1	79.3	79.6	79.6	80.0
≥ 1400	59.8	64.7	67.8	70.8	73.1	75.2	71.9	78.2	78.8	79.3	79.7	79.8	80.0	80.2	80.2	80.7
≥ 1200	60.6	65.4	68.6	71.6	73.9	76.1	77.8	79.1	79.7	80.2	80.6	80.7	80.9	81.1	81.1	81.5
≥ 1000	61.2	66.1	69.2	72.2	74.6	76.8	75.4	79.8	80.3	80.9	81.2	81.3	81.6	81.8	81.8	82.2
≥ 900	61.7	66.6	69.7	72.7	75.0	77.2	75.9	80.2	80.8	81.3	81.7	81.8	82.0	82.2	82.2	82.7
≥ 800	62.0	66.9	70.0	73.0	75.3	77.6	75.2	80.6	81.1	81.7	82.0	82.1	82.3	82.6	82.6	83.0
≥ 700	62.0	66.9	70.0	73.0	75.3	77.7	75.4	80.8	81.3	81.9	82.2	82.3	82.6	82.8	82.8	83.2
≥ 600	62.4	67.3	70.4	73.4	75.8	78.1	79.5	81.2	81.8	82.3	82.7	82.8	83.0	83.2	83.2	83.7
≥ 500	62.7	67.6	70.7	73.7	76.0	78.3	81.1	81.4	82.0	82.6	82.9	83.0	83.2	83.4	83.4	83.9
≥ 450	63.6	68.4	71.0	74.6	76.9	79.3	81.1	82.4	83.0	83.6	83.9	84.0	84.2	84.4	84.4	84.9
≥ 400	63.9	68.8	72.0	75.3	77.8	80.2	82.0	83.3	83.9	84.4	84.6	84.9	85.1	85.3	85.3	85.8
≥ 350	64.7	69.6	72.9	76.4	79.0	81.4	83.2	84.6	85.1	85.7	86.0	86.1	86.3	86.6	86.6	87.0
≥ 300	65.7	71.0	74.3	78.1	80.7	83.2	85.0	86.3	86.9	87.4	87.8	87.9	88.1	88.3	88.3	88.8
≥ 250	66.4	72.1	75.4	79.2	81.9	84.6	86.3	87.7	88.2	88.8	89.1	89.2	89.4	89.7	89.7	90.1
≥ 200	67.2	72.9	76.3	80.2	83.1	85.9	87.7	89.1	89.7	90.2	90.5	90.7	90.9	91.1	91.1	91.5
≥ 1800	67.6	73.3	76.8	80.7	83.6	86.3	88.1	89.7	90.2	90.8	91.1	91.2	91.4	91.7	91.7	92.1
≥ 1600	67.9	73.9	77.4	81.4	84.4	87.2	89.2	90.8	91.3	91.9	92.2	92.3	92.6	92.8	92.8	93.2
≥ 1400	68.0	74.3	77.9	82.0	85.0	88.0	90.1	91.8	92.4	93.0	93.3	93.4	93.7	93.9	93.9	94.3
≥ 1200	68.1	74.7	78.3	82.6	85.0	88.7	91.8	92.4	93.1	93.7	94.0	94.1	94.3	94.6	94.6	95.0
≥ 1000	68.1	74.8	78.4	82.8	85.8	88.9	91.0	92.9	93.6	94.1	94.4	94.6	94.8	95.0	95.0	95.4
≥ 900	68.1	74.9	78.7	83.0	86.0	89.1	91.2	93.2	93.9	94.7	95.0	95.1	95.3	95.6	95.6	96.0
≥ 800	68.1	74.9	78.7	83.1	86.1	89.3	91.4	93.4	94.1	94.9	95.2	95.3	95.6	95.8	95.8	96.2
≥ 700	68.1	75.0	78.9	83.3	85.3	89.7	91.8	93.8	94.4	95.4	96.0	96.1	96.3	96.6	96.6	97.0
≥ 600	68.1	75.0	78.9	83.3	86.3	89.7	91.8	93.9	94.6	95.6	96.2	96.3	96.6	96.8	96.8	97.2
≥ 500	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.3	95.1	96.2	96.9	97.0	97.3	97.7	97.7	98.1
≥ 400	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.4	95.2	96.3	97.0	97.1	97.6	97.9	97.9	98.4
≥ 300	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.4	95.2	96.3	97.1	97.2	97.7	98.1	98.2	98.8
≥ 200	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.4	95.2	96.3	97.1	97.2	97.7	98.1	98.2	99.4
≥ 100	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.4	95.2	96.3	97.1	97.2	97.7	98.1	98.2	100.0
≥ 0	68.1	75.0	78.9	83.3	86.7	90.0	92.1	94.4	95.2	96.3	97.1	97.2	97.7	98.1	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110 MARCH AFB CA/RIVERSIDE

66-70, 73-77

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO. OF OBS.	61.3	69.6	70.0	71.6	74.9	77.2	75.7	79.4	79.4	79.8	79.9	79.9	80.1	80.1	80.1	80.1
1 1000	63.0	70.7	72.1	73.9	77.7	80.1	81.7	82.6	82.6	83.0	83.1	83.1	83.4	83.4	83.4	83.4
2 800	63.0	70.7	72.1	73.9	77.7	80.1	81.7	82.6	82.6	83.0	83.1	83.1	83.4	83.4	83.4	83.4
3 600	63.0	70.7	72.1	73.9	77.7	80.1	81.7	82.6	82.6	83.0	83.1	83.1	83.4	83.4	83.4	83.4
4 400	63.6	71.7	72.7	74.6	78.3	80.8	82.4	83.4	83.6	84.0	84.2	84.2	84.6	84.6	84.6	84.6
5 200	63.9	71.6	73.0	74.9	78.8	81.2	82.9	83.9	84.0	84.4	84.8	84.8	85.1	85.1	85.1	85.1
6 100	65.3	73.2	74.7	76.6	80.4	82.9	84.0	85.6	85.7	86.1	86.4	86.4	86.8	86.8	86.8	86.8
7 800	65.8	73.8	75.2	77.2	81.1	83.6	85.2	86.2	86.3	86.8	87.1	87.1	87.4	87.4	87.4	87.4
8 600	66.1	74.1	75.6	77.6	81.4	83.9	85.6	86.6	86.7	87.1	87.4	87.4	87.8	87.8	87.8	87.8
9 400	66.4	74.4	75.9	77.9	81.8	84.2	86.0	87.2	87.3	87.8	88.1	88.1	88.4	88.4	88.4	88.4
10 200	66.6	74.7	76.1	78.1	82.0	84.4	86.2	87.4	87.6	88.0	88.3	88.3	88.7	88.7	88.7	88.7
11 100	66.8	74.9	76.3	78.3	82.2	84.7	86.4	87.7	87.8	88.2	88.6	88.6	88.9	88.9	88.9	88.9
12 800	67.6	75.7	77.1	79.2	83.1	85.6	87.3	88.6	88.7	89.1	89.4	89.4	89.8	89.8	89.8	89.8
13 600	68.3	76.7	78.2	80.4	84.4	86.9	88.7	89.9	90.0	90.4	90.8	90.8	91.1	91.1	91.1	91.1
14 400	69.7	78.1	79.7	81.9	85.7	88.3	90.1	91.3	91.4	91.9	92.2	92.2	92.6	92.6	92.6	92.6
15 200	71.2	80.2	82.0	84.3	88.3	90.8	92.6	93.8	93.9	94.3	94.7	94.7	95.0	95.0	95.0	95.0
16 100	72.4	81.7	83.4	85.9	89.9	92.3	94.1	95.3	95.4	95.9	96.2	96.2	96.6	96.6	96.6	96.6
17 800	72.8	82.3	84.1	86.6	90.6	93.0	94.8	96.0	96.1	96.6	96.9	96.9	97.2	97.2	97.2	97.2
18 600	72.9	82.4	84.2	86.7	90.7	93.1	94.9	96.1	96.2	96.7	97.0	97.0	97.3	97.3	97.3	97.3
19 400	73.3	83.0	84.9	87.3	91.4	93.9	95.8	97.0	97.1	97.6	97.9	97.9	98.2	98.2	98.2	98.2
20 200	73.3	83.1	85.0	87.4	91.8	94.3	96.2	97.4	97.6	98.0	98.3	98.3	98.7	98.7	98.7	98.7
21 100	73.6	83.3	85.2	87.7	92.0	94.7	96.6	97.8	98.0	98.4	98.8	98.8	99.1	99.1	99.1	99.1
22 800	73.6	83.3	85.2	87.8	92.1	94.8	96.7	97.9	98.1	98.6	98.9	98.9	99.2	99.2	99.2	99.2
23 600	73.7	83.6	85.4	88.0	92.3	95.0	96.9	98.1	98.3	98.9	99.2	99.2	99.6	99.6	99.6	99.6
24 400	73.7	83.7	85.6	88.1	92.4	95.1	97.0	98.2	98.4	99.0	99.3	99.3	99.7	99.7	99.7	99.7
25 200	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
26 100	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
27 800	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
28 600	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
29 400	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
30 200	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0
31 100	73.7	83.7	85.6	88.2	92.5	95.4	97.3	98.6	98.8	99.3	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

2311 MARCH AFB CA/RIVERSIDE

6-73, 73-77

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS.

1500-1700

CEILING	≥ 0	≥ 20	≥ 40	≥ 60	≥ 80	≥ 100	≥ 120	≥ 140	≥ 160	≥ 180	≥ 200	≥ 220	≥ 240	≥ 260	≥ 280	≥ 300	≥ 320	≥ 340	≥ 360	≥ 380	≥ 400
NO CEILING	49.1	50.1	61.8	67.2	69.8	71.8	75.0	78.0	78.3	79.4	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	50.6	59.7	63.3	65.8	71.4	73.7	76.2	80.6	80.9	82.0	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	50.7	59.8	63.4	65.9	71.6	73.8	76.3	80.7	81.0	82.1	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1600	50.8	59.9	63.6	66.0	71.7	73.9	76.4	80.8	81.1	82.2	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1400	51.4	60.6	64.2	66.8	72.4	74.7	77.2	81.6	81.9	83.0	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	52.2	61.4	65.2	68.0	73.7	75.9	78.4	82.8	83.2	84.3	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	53.3	62.9	66.7	69.4	75.1	77.4	80.0	84.3	84.8	85.9	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	53.9	63.4	67.2	70.0	75.8	78.1	80.7	85.0	85.4	86.6	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 800	54.9	64.5	68.3	71.1	76.9	79.2	81.8	86.1	86.7	87.9	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 700	55.3	65.1	68.9	71.7	77.4	79.8	82.7	87.0	87.6	88.8	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	55.9	65.7	69.4	72.2	78.0	80.3	83.2	87.6	88.1	89.3	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 500	56.3	66.2	70.0	72.8	78.6	80.9	83.8	88.1	88.7	89.9	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 450	57.1	67.0	70.8	73.6	79.3	81.7	84.6	88.9	89.4	90.7	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	58.0	67.9	71.8	74.7	80.4	82.8	85.7	90.0	90.6	91.8	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 350	59.4	69.7	73.6	76.4	82.2	84.6	87.4	91.8	92.3	93.6	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 300	60.3	71.0	75.0	77.9	83.7	86.2	91.1	93.4	94.0	95.2	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 250	60.6	71.3	75.3	78.3	84.1	86.8	91.7	94.0	94.6	95.8	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	60.7	71.6	75.8	78.9	85.0	88.1	93.0	95.3	95.9	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 180	60.8	71.7	76.0	79.2	85.4	88.7	93.7	96.0	96.6	97.8	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 160	60.8	71.7	76.1	79.3	85.7	88.9	93.9	96.3	96.9	98.1	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 140	61.0	71.9	76.3	79.6	86.0	89.2	94.2	96.7	97.2	98.4	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 120	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	61.0	72.0	76.4	80.0	86.4	89.7	94.7	97.1	97.7	98.9	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	61.0	72.1	76.6	80.1	86.7	89.9	94.9	97.3	97.9	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

23117 MARCH 1987 CA/RIVERSIDE

65-70,73-77

FLY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	STATUTE MILES															
	≥ 0	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15
≥ 2000	44.2	57.0	61.8	65.2	72.3	74.1	75.4	80.9	81.4	82.6	83.0	83.0	83.0	83.1	83.1	83.1
≥ 1800	45.4	58.4	63.3	67.1	74.2	76.0	76.3	82.8	83.3	84.4	84.9	84.9	84.9	85.0	85.0	85.0
≥ 1600	45.4	58.4	63.3	67.1	74.2	76.0	76.3	82.8	83.3	84.4	84.9	84.9	84.9	85.0	85.0	85.0
≥ 1400	45.6	58.6	63.4	67.2	74.3	76.1	76.4	82.9	83.4	84.6	85.0	85.0	85.0	85.1	85.1	85.1
≥ 1200	45.9	58.9	63.8	67.6	74.7	76.4	76.8	83.2	83.8	84.9	85.7	85.7	85.7	85.8	85.8	85.8
≥ 1000	46.4	59.9	65.0	68.8	75.9	77.7	78.0	84.4	85.0	86.1	86.9	86.9	86.9	87.0	87.0	87.0
≥ 800	46.9	60.7	65.8	69.6	76.7	78.4	78.8	85.2	85.8	86.9	87.7	87.7	87.7	87.8	87.8	87.8
≥ 600	47.0	60.8	65.9	69.7	76.8	78.6	78.9	85.3	85.9	87.0	87.8	87.8	87.8	87.9	87.9	87.9
≥ 400	47.1	61.1	66.4	70.2	77.3	79.1	79.6	86.0	86.6	87.7	88.4	88.4	88.4	88.6	88.6	88.6
≥ 200	48.0	62.2	67.6	71.3	78.4	80.2	80.7	87.3	87.9	89.0	89.8	89.8	89.8	89.9	89.9	89.9
≥ 100	48.3	62.7	68.2	72.0	79.1	80.9	81.3	88.1	88.7	89.8	90.6	90.6	90.6	90.7	90.7	90.7
≥ 50	48.7	63.1	68.7	72.4	79.6	81.3	81.8	88.6	89.1	90.2	91.0	91.0	91.0	91.1	91.1	91.1
≥ 25	48.9	63.3	68.9	72.7	79.8	81.6	82.0	88.8	89.3	90.4	91.2	91.2	91.2	91.3	91.3	91.3
≥ 10	49.8	64.7	70.2	74.0	81.1	82.9	83.3	90.1	90.7	91.8	92.6	92.6	92.6	92.7	92.7	92.7
≥ 5	50.4	65.8	71.3	75.2	82.3	84.1	84.6	91.3	91.9	93.0	93.8	93.8	93.8	93.9	93.9	93.9
≥ 2	50.7	67.2	72.8	76.7	83.8	85.6	86.0	92.9	93.4	94.6	95.3	95.3	95.3	95.4	95.4	95.4
≥ 1	51.0	68.0	73.6	77.6	84.8	86.7	87.2	94.0	94.6	95.7	96.4	96.4	96.4	96.6	96.6	96.6
≥ 0.5	51.0	68.6	74.1	78.3	85.7	87.7	88.1	95.1	95.7	96.8	97.6	97.6	97.6	97.7	97.7	97.7
≥ 0.25	51.0	68.8	74.3	78.6	85.9	87.9	88.3	95.3	95.9	97.0	97.8	97.8	97.8	97.9	97.9	97.9
≥ 0.1	51.0	69.0	74.6	78.8	86.1	88.4	88.7	95.9	96.4	97.6	98.3	98.3	98.3	98.4	98.4	98.4
≥ 0.05	51.0	69.2	74.8	79.2	86.6	88.9	89.2	96.4	97.0	98.1	98.9	98.9	98.9	99.0	99.0	99.0
≥ 0.025	51.0	69.3	74.9	79.4	86.8	89.1	89.4	96.8	97.3	98.4	99.2	99.2	99.2	99.3	99.3	99.3
≥ 0.01	51.0	69.3	74.9	79.4	86.8	89.1	89.4	96.8	97.3	98.4	99.2	99.2	99.2	99.3	99.3	99.3
≥ 0.005	51.0	69.3	74.9	79.6	86.9	89.2	89.5	96.9	97.4	98.6	99.3	99.3	99.3	99.4	99.4	99.4
≥ 0.0025	51.0	69.3	74.9	79.6	86.9	89.2	89.5	96.9	97.4	98.6	99.3	99.3	99.3	99.4	99.4	99.4
≥ 0.001	51.0	69.3	74.9	79.6	86.9	89.2	89.5	96.9	97.4	98.6	99.3	99.3	99.3	99.4	99.4	99.4
≥ 0.0005	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.8	98.9	99.7	99.7	99.7	99.8	99.8	99.8
≥ 0.00025	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.0001	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.00005	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.000025	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0.00001	51.0	69.6	75.2	79.9	87.2	89.6	89.9	97.2	97.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR PLATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23110 MARCH 1963 CA/RIVERSIDE

66-73, 73-77

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
NO. OF OBS.	48.6	54.7	50.2	62.9	67.3	68.9	71.4	73.5	74.2	75.2	75.8	76.0	76.3	76.5	76.6	77.5	
2 2000	49.6	57.9	61.5	64.4	68.6	70.5	73.2	75.4	76.1	77.1	77.6	77.9	78.2	78.4	78.5	79.4	
2 1800	49.7	58.0	61.6	64.5	68.7	70.6	73.3	75.5	76.2	77.2	77.8	78.1	78.4	78.6	78.7	79.6	
2 1600	50.0	58.4	62.0	64.9	69.2	71.1	73.8	76.0	76.7	77.7	78.4	78.6	79.0	79.2	79.3	80.2	
2 1400	50.5	59.0	62.7	65.7	69.9	71.9	74.6	76.8	77.6	78.6	79.2	79.5	79.9	80.1	80.2	81.1	
2 1200	51.4	60.0	63.7	66.6	70.9	72.8	75.6	77.8	78.5	79.6	80.2	80.5	80.9	81.1	81.2	82.1	
2 1000	51.8	60.5	64.2	67.2	71.5	73.4	76.1	78.3	79.1	80.2	80.8	81.1	81.4	81.7	81.8	82.7	
2 800	52.2	61.0	64.7	67.7	72.0	73.9	76.6	78.9	79.6	80.7	81.4	81.7	82.0	82.2	82.3	83.2	
2 600	52.5	61.3	65.0	68.0	72.3	74.2	77.0	79.3	80.1	81.2	81.8	82.1	82.4	82.7	82.8	83.7	
2 400	52.8	61.7	65.5	68.5	72.6	74.7	77.5	79.8	80.6	81.7	82.4	82.7	83.0	83.2	83.3	84.2	
2 200	53.1	62.1	65.9	68.9	73.2	75.1	77.9	80.2	81.0	82.1	82.7	83.0	83.4	83.6	83.7	84.5	
2 100	53.4	62.5	66.3	69.3	73.6	75.6	78.4	80.7	81.5	82.6	83.2	83.5	83.8	84.1	84.2	85.1	
2 50	54.1	63.5	67.4	70.5	74.8	76.8	79.6	82.0	82.7	83.8	84.5	84.8	85.1	85.3	85.5	86.4	
2 0	54.8	64.6	68.5	71.7	76.0	78.0	80.8	83.1	83.9	85.0	85.7	86.0	86.3	86.5	86.7	87.6	
1 2000	55.6	65.9	70.0	73.2	77.6	79.6	82.5	84.8	85.6	86.7	87.3	87.6	88.0	88.2	88.3	89.2	
1 1800	56.2	67.0	71.0	74.4	78.8	80.9	83.8	86.1	87.0	88.1	88.7	89.0	89.3	89.6	89.7	90.6	
1 1600	56.4	67.5	71.7	75.1	79.7	81.9	84.8	87.2	88.1	89.2	89.8	90.1	90.5	90.7	90.9	91.8	
1 1400	56.5	67.7	72.0	75.4	80.0	82.3	85.2	87.6	88.5	89.6	90.2	90.5	90.9	91.1	91.2	92.2	
1 1200	56.6	68.1	72.4	75.9	80.6	83.0	86.0	88.5	89.3	90.4	91.1	91.4	91.7	91.9	92.1	93.0	
1 1000	56.8	68.5	72.8	76.4	81.2	83.6	86.7	89.2	90.1	91.2	91.9	92.2	92.6	92.8	92.9	93.8	
1 800	56.8	68.7	73.1	76.8	81.6	84.1	87.2	89.8	90.7	91.9	92.5	92.8	93.2	93.4	93.6	94.5	
1 600	56.8	68.7	73.2	77.0	81.7	84.2	87.4	90.0	91.0	92.1	92.8	93.2	93.5	93.7	93.9	94.8	
1 400	56.8	68.8	73.4	77.2	82.0	84.5	87.7	90.5	91.4	92.7	93.4	93.8	94.1	94.4	94.5	95.4	
1 200	56.8	68.9	73.4	77.3	82.1	84.6	87.8	90.6	91.6	92.8	93.6	93.9	94.3	94.5	94.7	95.6	
1 100	56.8	68.9	73.5	77.3	82.2	84.8	88.0	90.8	91.8	93.2	94.0	94.3	94.7	94.9	95.1	96.0	
1 50	56.8	69.0	73.5	77.4	82.3	84.9	88.1	91.1	92.1	93.5	94.4	94.8	95.2	95.4	95.6	96.6	
1 0	56.8	69.0	73.6	77.4	82.4	85.0	88.2	91.2	92.3	93.8	94.7	95.1	95.5	95.8	96.0	97.0	
0 2000	56.8	69.0	73.6	77.4	82.4	85.0	88.2	91.3	92.4	93.9	94.8	95.3	95.8	96.1	96.3	97.4	
0 1800	56.8	69.0	73.6	77.4	82.4	85.0	88.2	91.3	92.4	94.0	95.0	95.4	96.0	96.3	96.7	98.0	
0 1600	56.8	69.0	73.6	77.5	82.4	85.0	88.3	91.3	92.5	94.0	95.0	95.5	96.1	96.4	96.9	99.1	
0 1400	56.8	69.0	73.6	77.5	82.4	85.0	88.3	91.3	92.5	94.0	95.0	95.5	96.1	96.4	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 7199

LATA PROCESSING FRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAF

## CEILING VERSUS VISIBILITY

2011 MARCH AFR CA/RIVERSIDE

6-70, 73-77

UAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

USAF ETAC FORM 1-64																	
CEILING	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
50.9	52.4	60.3	62.9	65.0	66.9	69.1	69.9	70.3	71.0	71.6	71.6	72.0	72.3	72.9	74.3		
51.3	59.0	61.1	63.7	66.0	67.6	69.9	70.6	71.1	71.8	72.5	72.5	72.9	73.1	73.8	75.2		
51.5	59.0	61.1	63.7	66.0	67.6	69.9	70.6	71.1	71.8	72.5	72.5	72.9	73.1	73.8	75.2		
51.5	59.0	61.1	63.7	66.0	67.6	69.9	70.6	71.1	71.8	72.5	72.5	72.9	73.1	73.8	75.2		
52.2	59.8	61.8	64.4	67.3	68.4	70.6	71.4	71.8	72.6	73.2	73.2	73.7	73.9	74.5	75.9		
52.5	61.2	63.2	65.8	68.7	69.3	71.0	72.8	73.2	74.0	74.6	74.6	75.1	75.3	75.9	77.3		
54.1	61.9	64.0	66.6	69.5	70.8	71.0	73.8	74.2	74.9	75.6	75.6	76.0	76.2	76.9	78.3		
54.2	62.2	64.1	66.7	69.6	70.9	71.1	73.9	74.3	75.1	75.7	75.7	76.1	76.3	77.0	78.4		
54.2	62.4	64.4	67.2	70.1	71.4	71.7	74.4	74.8	75.6	76.2	76.2	76.7	76.9	77.5	78.9		
54.5	62.7	64.7	67.5	70.4	71.7	71.0	74.7	75.2	76.0	76.7	76.7	77.1	77.3	78.0	79.4		
55.1	63.2	65.4	68.2	71.1	72.4	74.0	75.4	75.8	76.7	77.3	77.3	77.7	78.0	78.6	80.0		
55.5	63.8	65.8	68.6	71.5	72.8	73.3	76.1	76.6	77.4	78.1	78.1	78.5	78.7	79.4	80.8		
55.7	64.1	66.1	68.9	71.8	73.1	73.7	76.6	77.0	77.8	78.5	78.5	78.9	79.1	79.8	81.2		
56.2	64.6	66.7	69.7	72.6	73.9	74.5	77.4	77.8	78.7	79.4	79.4	79.8	80.0	80.6	82.0		
56.7	65.8	67.8	70.9	73.8	75.1	77.6	78.6	79.0	80.0	80.6	80.6	81.1	81.3	81.9	83.3		
57.1	67.3	69.4	72.4	75.3	76.6	77.1	80.2	80.6	81.6	82.3	82.3	82.7	82.9	83.5	84.9		
57.5	68.6	71.1	74.1	77.0	78.4	79.0	82.0	82.5	83.4	84.1	84.1	84.5	84.7	85.4	86.8		
57.6	69.5	72.3	75.4	78.4	80.0	80.6	83.8	84.3	85.3	85.9	85.9	86.3	86.6	87.2	88.6		
57.6	69.6	72.4	75.5	78.5	80.1	82.7	83.9	84.4	85.4	86.0	86.0	86.5	86.7	87.3	88.7		
57.6	69.8	72.7	76.1	79.1	80.9	83.3	84.5	85.2	86.3	87.1	87.1	87.5	87.7	88.4	89.8		
57.7	69.9	72.9	76.3	79.4	81.1	83.7	85.1	86.0	87.2	88.0	88.0	88.5	88.7	89.5	90.9		
57.7	70.0	73.0	76.6	79.6	81.3	83.9	85.3	86.2	87.4	88.3	88.3	88.8	89.0	89.8	91.2		
57.7	70.1	73.1	76.7	79.7	81.4	84.0	85.4	86.5	87.6	88.5	88.5	89.0	89.2	90.0	91.4		
57.8	70.5	73.8	77.4	80.6	82.4	84.9	86.3	87.4	88.6	89.5	89.5	90.0	90.2	91.0	92.4		
57.8	70.6	73.9	77.5	80.8	82.5	85.1	86.5	87.5	88.7	89.5	89.5	90.1	90.3	91.1	92.5		
57.8	70.9	74.1	77.7	81.0	83.0	85.6	87.0	88.1	89.4	90.3	90.3	90.9	91.3	92.0	93.4		
57.8	70.9	74.2	77.8	81.1	83.1	85.7	87.1	88.6	89.9	91.0	91.0	91.5	92.0	92.9	94.3		
57.8	71.1	74.5	78.3	81.5	83.5	86.3	87.7	89.4	90.8	91.9	91.9	92.6	93.1	94.0	95.6		
57.8	71.1	74.5	78.4	81.6	83.8	86.6	88.1	89.7	91.6	93.0	93.0	93.7	94.3	95.2	96.9		
57.8	71.2	74.6	78.5	81.8	84.0	86.8	88.3	89.9	91.8	93.2	93.2	93.9	94.7	95.7	98.1		
57.8	71.2	74.6	78.5	81.8	84.0	86.8	88.3	89.9	91.8	93.2	93.2	93.9	94.7	95.8	98.9		
57.9	71.2	74.6	78.5	81.8	84.0	86.8	88.3	89.9	91.8	93.2	93.2	93.9	94.7	95.8	98.9		

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAF

# CEILING VERSUS VISIBILITY

2311 MARCH AFB CA/RIVERSIDE

60-7673-77

REC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
2000	51.2	57.4	58.4	61.4	64.0	64.9	66.2	67.0	67.1	67.6	67.8	67.8	68.4	68.6	68.9	70.0	
1800	52.3	57.5	59.5	62.5	65.1	66.0	67.4	68.2	68.3	68.8	69.0	69.0	69.6	69.8	70.1	71.2	
1600	52.3	57.5	59.5	62.5	65.1	66.0	67.4	68.2	68.3	68.8	69.0	69.0	69.6	69.8	70.1	71.2	
1400	53.0	59.7	60.2	63.2	65.8	66.8	68.2	68.9	69.0	69.6	69.8	69.8	70.3	70.5	70.9	71.9	
1200	54.4	60.6	61.7	64.7	67.3	68.3	69.7	70.4	70.5	71.1	71.3	71.3	71.8	72.0	72.4	73.4	
1000	54.8	61.1	62.2	65.2	67.7	68.7	70.1	70.9	71.0	71.5	71.7	71.7	72.3	72.5	72.8	73.9	
800	54.9	61.2	62.3	65.3	67.6	68.8	70.2	71.0	71.1	71.6	71.8	71.8	72.4	72.6	72.9	74.0	
600	54.9	61.4	62.5	65.8	68.4	69.4	70.8	71.5	71.6	72.2	72.4	72.4	72.9	73.1	73.4	74.5	
400	55.2	61.6	62.7	66.0	68.6	69.6	71.0	71.7	71.8	72.4	72.6	72.6	73.1	73.3	73.7	74.7	
200	55.3	61.7	62.9	66.2	68.8	69.8	71.2	71.9	72.0	72.6	72.8	72.8	73.3	73.5	73.9	74.9	
000	56.1	62.6	63.9	67.2	69.6	70.9	72.3	73.0	73.1	73.7	73.9	73.9	74.4	74.6	74.9	76.0	
2000	56.7	63.3	64.6	68.0	70.5	71.5	72.9	73.8	73.9	74.4	74.6	74.6	75.2	75.4	75.7	76.8	
1800	57.2	64.0	65.3	68.5	71.2	72.3	73.0	74.8	74.9	75.5	75.7	75.7	76.2	76.5	76.8	78.0	
1600	57.2	64.7	66.1	69.6	72.4	73.4	75.2	76.0	76.1	76.7	77.0	77.0	77.5	77.7	78.1	79.2	
1400	57.3	65.6	67.1	70.5	73.3	74.4	76.1	77.1	77.2	77.7	78.1	78.1	78.6	78.8	79.1	80.3	
1200	58.0	66.7	68.5	71.9	74.7	75.8	77.5	78.5	78.6	79.1	79.5	79.5	80.0	80.2	80.5	81.7	
1000	58.3	67.6	70.0	73.4	76.3	77.4	79.1	80.1	80.2	80.8	81.2	81.2	81.7	81.9	82.3	83.4	
800	58.3	68.0	70.3	73.8	76.7	77.7	79.5	80.4	80.5	81.1	81.5	81.5	82.0	82.3	82.6	83.8	
600	58.6	68.6	71.0	74.4	77.4	78.5	80.2	81.2	81.3	81.8	82.4	82.4	82.9	83.1	83.4	84.6	
400	58.8	68.6	71.0	74.6	77.8	78.9	80.8	82.0	82.4	83.0	83.5	83.5	84.4	84.6	84.9	86.1	
200	58.9	69.0	71.4	75.1	78.4	79.5	81.3	82.7	83.1	83.8	84.3	84.3	85.2	85.4	85.7	87.0	
000	58.9	69.0	71.5	75.2	78.5	79.6	81.4	82.8	83.2	83.9	84.4	84.4	85.3	85.5	85.8	87.1	
2000	58.9	69.1	71.6	75.4	78.8	79.9	81.7	83.2	83.7	84.0	85.2	85.2	86.1	86.3	86.8	88.1	
1800	58.9	69.1	71.6	75.4	78.8	80.0	81.9	83.4	83.9	85.1	85.6	85.6	86.6	86.8	87.2	88.5	
1600	58.9	69.2	71.8	75.6	79.1	80.3	82.4	83.9	84.4	85.8	86.5	86.5	87.4	87.7	88.2	89.5	
1400	58.9	69.4	72.0	75.9	79.5	80.6	82.8	84.4	85.1	86.5	87.1	87.1	88.2	88.6	89.4	90.6	
1200	58.9	69.4	72.4	76.2	79.8	81.0	83.1	84.7	85.6	87.2	88.2	88.2	89.2	89.7	90.4	91.7	
1000	58.9	69.4	72.5	76.3	80.0	81.4	83.5	85.3	86.1	88.1	89.2	89.2	90.4	91.0	91.7	93.0	
800	58.9	69.4	72.6	76.5	80.3	81.7	84.0	85.7	86.6	88.6	90.0	90.0	91.3	92.2	93.1	95.7	
600	58.9	69.4	72.6	76.5	80.3	81.7	84.0	85.8	86.7	88.7	90.1	90.1	91.4	92.4	93.3	97.8	
400	58.9	69.4	72.6	76.5	80.3	81.7	84.0	85.8	86.7	88.7	90.1	90.1	91.4	92.4	93.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 030

DATA PROCESSING TRACK  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2311

MARCH APR CA/RIVERSIDE

6-73, 73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
55.1	58.9	59.9	61.2	62.5	63.7	64.2	65.4	66.0	66.7	66.8	66.8	66.8	67.1	68.4	69.5					
56.5	60.5	61.5	62.8	64.2	65.4	65.9	67.2	67.8	68.5	68.6	68.6	68.6	68.9	70.3	71.5					
56.8	60.8	61.7	63.0	64.4	65.6	66.1	67.4	68.1	68.7	68.8	68.8	68.8	69.1	70.5	71.7					
56.8	60.8	61.7	63.0	64.4	65.6	66.1	67.4	68.1	68.7	68.8	68.8	68.8	69.1	70.5	71.7					
57.4	61.5	62.5	63.8	65.2	66.3	66.9	68.2	68.8	69.6	69.7	69.7	69.7	69.8	70.1	71.5	72.8				
58.0	62.0	63.0	64.3	65.6	67.0	67.5	68.8	69.5	70.2	70.3	70.3	70.4	70.8	72.2	73.4					
59.0	63.1	64.1	65.4	66.9	68.1	68.6	69.9	70.5	71.3	71.4	71.4	71.5	71.8	73.2	74.5					
59.5	63.5	64.5	65.8	67.3	68.6	69.1	70.4	71.1	71.8	71.9	71.9	72.0	72.4	73.8	75.1					
59.9	64.0	65.1	66.5	68.0	69.2	69.8	71.1	71.8	72.6	72.7	72.7	72.8	73.1	74.5	75.8					
60.5	64.6	65.7	67.1	68.6	69.9	70.4	71.7	72.5	73.2	73.3	73.3	73.4	73.8	75.2	76.5					
60.9	65.1	66.1	67.5	69.0	70.3	70.9	72.2	72.9	73.7	73.8	73.8	73.9	74.2	75.6	76.9					
61.3	65.5	66.7	68.1	69.7	71.0	71.5	72.8	73.5	74.3	74.4	74.4	74.3	74.8	76.2	77.5					
61.4	65.6	66.8	68.2	69.8	71.2	71.7	73.0	73.8	74.6	74.7	74.7	74.8	75.2	76.6	77.8					
61.9	66.5	67.6	69.0	70.6	72.2	72.7	74.0	74.7	75.6	75.7	75.7	75.8	76.1	77.5	78.8					
62.4	67.2	68.5	69.9	71.5	73.2	73.8	75.1	75.8	76.8	76.9	76.9	77.0	77.3	78.7	80.1					
62.8	67.8	69.1	70.5	72.2	73.9	74.4	75.7	76.5	77.4	77.5	77.5	77.6	78.0	79.4	80.8					
63.8	69.0	70.4	71.8	73.4	75.2	75.7	77.1	78.0	78.9	79.0	79.0	79.4	79.7	81.1	82.5					
64.1	69.9	71.4	72.8	74.4	76.1	76.8	78.3	79.5	80.4	80.5	80.5	80.9	81.2	82.6	84.1					
64.2	70.1	71.6	73.0	74.6	76.3	77.0	78.5	79.7	80.6	80.8	80.8	81.1	81.4	82.8	84.3					
64.7	70.6	72.5	74.1	75.7	77.4	78.1	79.6	80.8	81.7	81.8	81.8	82.2	82.5	83.9	85.5					
64.8	71.0	72.5	74.7	76.5	78.3	79.0	80.6	82.0	83.0	83.3	83.3	83.9	84.2	85.6	87.2					
64.9	71.3	73.3	75.2	77.1	78.9	79.9	81.6	83.2	84.2	84.5	84.5	85.1	85.4	86.8	88.6					
64.9	71.4	73.4	75.3	77.2	79.1	80.2	82.0	83.8	84.7	85.3	85.3	85.8	86.1	87.5	89.4					
64.9	71.4	73.4	75.3	77.2	79.1	80.2	82.0	83.9	84.8	85.5	85.6	86.2	86.6	88.0	89.9					
64.9	71.4	73.4	75.3	77.3	79.5	80.5	82.4	84.2	85.3	85.9	86.0	86.7	87.0	88.4	90.4					
64.9	71.5	73.5	75.6	77.8	79.8	80.9	82.7	84.7	86.0	86.7	86.8	87.4	87.7	89.1	91.2					
64.9	71.5	73.5	75.6	78.0	79.9	81.0	82.8	84.8	86.1	86.8	87.0	87.7	88.2	89.6	91.6					
64.9	71.5	73.5	75.6	78.0	80.0	81.1	83.0	85.1	86.3	87.1	87.4	88.4	88.8	90.2	92.3					
64.9	71.5	73.5	75.6	78.1	80.1	81.2	83.3	85.5	86.9	87.7	88.1	89.1	89.7	91.3	93.5					
64.9	71.5	73.5	75.6	78.1	80.1	81.2	83.4	85.6	87.1	88.3	88.6	89.7	90.3	92.2	95.6					
64.9	71.5	73.5	75.6	78.1	80.1	81.2	83.4	85.6	87.1	88.3	88.6	89.7	90.3	92.2	97.3					
64.9	71.5	73.5	75.6	78.1	80.1	81.2	83.4	85.6	87.1	88.3	88.6	89.7	90.3	92.2	100.0					

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR EARTH SERVICE/MAC

## CEILING VERSUS VISIBILITY

22112 MARCH 1981 CA/RIVERSIDE

6-7-73-77

961

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS																
	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
57.6	61.2	52.4	63.4	65.5	66.5	67.0	67.7	68.4	68.6	68.8	68.9	68.9	68.9	68.9	69.0	69.5
61.5	65.6	66.9	68.1	70.4	71.4	71.0	73.0	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.3	74.7
62.0	66.1	67.4	68.5	71.0	71.9	72.6	73.5	74.2	74.4	74.6	74.7	74.7	74.7	74.7	74.8	75.3
62.4	66.5	67.7	68.9	71.3	72.3	72.9	73.9	74.5	74.7	74.9	75.1	75.1	75.1	75.1	75.2	75.6
63.4	67.5	68.8	70.0	72.4	73.5	74.2	75.3	75.9	76.1	76.3	76.5	76.5	76.5	76.5	76.7	77.1
64.1	68.3	69.6	70.9	73.2	74.5	75.2	76.2	76.9	77.1	77.3	77.4	77.4	77.4	77.5	77.6	78.1
65.7	70.0	71.5	72.8	75.3	76.5	77.1	78.2	78.8	79.0	79.2	79.4	79.4	79.4	79.5	79.6	80.1
66.1	70.5	72.3	73.5	76.0	77.2	77.8	78.9	79.7	79.9	80.1	80.2	80.2	80.2	80.3	80.4	81.0
66.7	71.7	72.9	74.2	76.7	77.8	78.5	79.6	80.3	80.5	80.8	80.9	80.9	80.9	81.0	81.1	81.6
66.9	71.4	73.1	74.4	76.9	78.1	78.7	79.8	80.5	80.8	81.0	81.1	81.1	81.1	81.2	81.3	81.8
67.2	71.7	73.4	74.7	77.2	78.4	79.0	80.1	80.9	81.1	81.3	81.4	81.4	81.4	81.5	81.6	82.2
67.4	71.9	73.7	74.9	77.4	78.6	79.2	80.3	81.1	81.3	81.5	81.6	81.6	81.6	81.7	81.8	82.4
67.5	72.0	73.8	75.1	77.5	78.3	79.5	80.5	81.3	81.5	81.7	81.8	81.9	82.0	82.2	82.7	
68.0	72.6	74.3	75.6	78.1	79.4	80.0	81.1	81.8	82.0	82.3	82.4	82.5	82.6	82.7	83.2	
68.5	73.2	74.9	76.3	78.8	80.1	80.9	81.9	82.7	82.9	83.1	83.2	83.3	83.4	83.5	84.2	
69.6	74.3	76.0	77.5	80.1	81.6	82.4	83.5	84.3	84.5	84.8	84.9	85.1	85.2	85.3	85.9	
69.7	75.1	76.9	78.4	81.1	82.6	83.3	84.6	85.5	85.8	86.1	86.2	86.5	86.6	86.7	87.3	
69.9	75.4	77.2	78.9	81.6	83.1	84.0	85.4	86.3	86.7	87.0	87.1	87.3	87.4	87.5	88.3	
70.1	75.7	77.6	79.5	82.3	83.8	84.6	86.0	87.0	87.3	87.6	87.7	88.1	88.2	88.3	89.0	
70.2	76.6	78.6	80.4	83.5	85.2	86.1	87.7	88.7	89.0	89.4	89.5	89.6	90.0	90.1	90.9	
70.8	77.1	79.1	81.0	84.1	85.8	86.9	88.6	89.7	90.0	90.3	90.4	90.8	91.0	91.1	91.8	
71.2	77.7	79.9	82.2	85.4	87.4	88.6	90.4	91.5	91.8	92.3	92.4	92.7	92.9	93.0	93.8	
71.3	77.8	80.0	82.3	85.5	87.6	89.0	90.9	91.9	92.3	92.7	92.8	93.1	93.3	93.4	94.2	
71.3	77.8	80.1	82.4	85.7	87.8	89.2	91.1	92.2	92.5	92.9	93.0	93.3	93.5	93.7	94.4	
71.4	78.1	80.3	82.6	86.0	88.2	89.6	91.5	92.6	92.9	93.5	93.7	94.0	94.2	94.3	95.1	
71.4	78.1	80.3	82.6	86.2	88.5	89.9	91.9	93.0	93.3	94.0	94.2	94.5	94.7	94.8	95.6	
71.4	78.4	80.6	82.9	86.6	88.8	90.2	92.6	93.7	94.2	94.9	95.2	95.5	95.7	95.8	96.3	
71.4	78.4	80.6	82.9	86.6	89.0	90.4	92.8	94.2	94.7	95.6	95.8	96.1	96.3	96.5	97.4	
71.4	78.4	80.6	82.9	86.6	89.0	90.4	92.9	94.4	94.9	95.9	96.2	96.8	97.1	97.2	98.2	
71.4	78.4	80.6	82.9	86.6	89.0	90.4	92.9	94.4	94.9	96.0	96.3	96.9	97.3	97.4	99.0	
71.4	78.4	80.6	82.9	86.6	89.0	90.4	92.9	94.4	94.9	96.0	96.3	96.9	97.3	97.4	99.6	
71.4	78.4	80.6	82.9	86.6	89.0	90.4	92.9	94.4	94.9	96.0	96.3	96.9	97.3	97.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2311

MARCH 1973 CA/RIVERSIDE

6-7, 73-77

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

	2	20	21	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
60.5	64.4	65.4	66.6	67.5	69.2	70.2	71.4	71.8	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
66.0	70.1	71.5	72.8	73.9	75.6	76.7	77.8	78.4	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
66.6	70.6	71.8	73.3	74.4	76.1	77.2	78.4	78.9	79.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
66.7	70.8	71.9	73.4	74.5	76.2	77.3	78.5	79.0	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
68.1	72.2	73.3	74.9	76.0	77.3	78.9	80.1	80.6	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
69.0	73.3	74.5	76.2	77.3	79.1	80.2	81.4	81.9	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
70.4	75.2	76.3	78.2	79.2	81.1	82.2	83.3	83.9	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
70.9	75.6	76.9	78.8	79.9	81.7	82.8	84.0	84.5	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
71.8	76.5	77.8	79.9	81.0	82.8	83.9	85.1	85.6	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
71.8	76.5	77.8	79.9	81.0	82.8	83.9	85.1	85.6	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
72.3	77.5	78.8	81.0	82.0	83.9	84.9	86.1	86.7	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
72.7	77.7	79.0	81.2	82.3	84.1	85.2	86.3	86.9	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
74.1	79.1	80.4	82.6	83.9	85.8	86.9	88.1	88.6	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
74.4	79.6	81.0	83.1	84.4	86.5	87.5	88.7	89.2	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
75.1	80.4	81.9	84.4	85.9	88.0	89.0	90.2	90.8	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
76.0	81.9	83.4	85.9	87.5	89.6	90.6	91.8	92.4	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
76.5	82.7	84.3	86.9	88.5	90.6	91.7	92.9	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
76.7	82.9	84.5	87.1	89.0	91.2	92.3	93.4	94.0	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
77.2	83.8	85.7	88.3	90.2	92.5	93.5	94.7	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
77.5	84.3	86.7	89.2	91.3	93.7	94.7	95.9	96.6	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
77.5	84.6	87.0	89.6	91.6	94.0	95.2	96.3	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
77.5	84.7	87.1	89.7	91.8	94.3	95.5	96.7	97.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
78.0	85.2	87.5	90.1	92.3	94.7	95.9	97.1	97.8	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
78.0	85.3	87.6	90.2	92.6	95.1	96.3	97.5	98.3	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
78.0	85.3	87.6	90.3	92.7	95.2	96.6	97.7	98.5	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
78.0	85.3	87.6	90.4	92.8	95.3	96.7	97.8	98.6	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
78.0	85.3	87.6	90.4	92.8	95.3	96.7	97.8	98.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
78.0	85.3	87.6	90.4	92.8	95.3	96.7	97.8	98.6	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	85.3	87.6	90.4	92.8	95.3	96.7	97.8	98.6	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.0	85.3	87.6	90.4	92.8	95.3	96.7	97.8	98.6	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

## CEILING VERSUS VISIBILITY

23110 MARCH 1973 CA/RIVERSIDE

16-7, 73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

50.0	50.0	62.0	63.1	65.0	66.8	67.9	70.2	71.5	72.1	72.1	72.1	72.6	72.6	72.7	72.7
50.0	50.0	66.1	67.3	70.2	71.3	71.3	75.1	75.7	77.5	77.5	77.9	78.0	78.0	78.1	78.1
60.7	64.5	66.7	68.0	70.0	72.4	74.5	75.8	77.4	78.1	78.1	78.5	78.7	78.7	78.8	78.8
60.9	64.8	68.9	68.2	71.0	72.6	74.7	75.0	77.6	78.3	78.3	78.8	78.9	78.9	79.0	79.0
62.1	65.1	68.3	69.5	72.4	74.0	75.1	77.4	79.0	80.0	80.1	80.5	80.7	80.7	80.8	80.8
62.7	64.7	69.0	70.3	73.4	75.2	77.4	78.7	80.3	81.3	81.3	81.5	82.1	82.1	82.2	82.2
64.3	68.9	71.1	72.4	75.6	77.5	78.6	80.9	82.7	83.6	83.7	84.2	84.5	84.5	84.5	84.6
64.5	69.1	71.3	72.5	75.7	77.2	78.0	81.3	83.0	83.9	84.1	84.5	84.8	84.8	84.9	84.9
65.2	69.8	72.1	73.4	75.7	77.6	78.7	82.0	83.7	84.7	84.8	85.2	85.6	85.6	85.7	85.7
65.6	70.4	72.6	73.9	77.3	79.1	80.2	82.5	84.3	85.2	85.3	85.8	86.1	86.1	86.2	86.2
65.9	70.8	73.1	74.4	77.7	79.5	81.7	83.0	84.7	85.7	85.8	86.2	86.5	86.5	86.6	86.6
66.8	71.7	74.2	75.3	78.7	80.5	82.7	83.9	85.7	86.6	86.7	87.2	87.5	87.5	87.6	87.6
67.0	71.9	74.4	75.6	79.0	80.8	83.0	84.3	86.0	87.0	87.1	87.5	87.8	87.8	87.9	87.9
68.1	73.1	75.3	76.3	80.2	82.0	84.2	85.5	87.2	88.1	88.2	88.7	89.0	89.0	89.1	89.1
68.4	73.5	75.0	77.4	80.9	82.9	85.0	86.3	88.0	89.0	89.1	89.5	89.9	89.9	90.0	90.0
69.4	74.8	77.5	79.1	82.9	84.8	87.0	88.3	90.0	90.9	91.1	91.5	91.8	91.8	91.9	91.9
70.2	75.6	78.7	80.4	84.2	86.2	88.4	89.8	91.5	92.5	92.6	93.0	93.3	93.3	93.4	93.4
70.8	76.7	79.6	81.8	85.7	87.8	89.1	91.5	93.2	94.2	94.3	94.3	95.0	95.2	95.3	95.3
70.9	76.8	80.0	82.0	85.9	88.1	90.4	91.8	93.5	94.5	94.7	95.2	95.5	95.5	95.6	95.6
71.4	77.7	80.8	82.9	87.0	89.3	91.7	93.2	94.9	95.9	96.1	96.6	96.9	96.9	97.0	97.0
71.6	78.0	81.3	83.3	87.4	89.8	92.1	93.6	95.4	96.3	96.6	97.0	97.3	97.3	97.4	97.4
71.9	78.1	81.4	83.4	87.5	89.9	92.2	93.8	95.6	96.9	97.1	97.5	97.8	97.8	98.0	98.0
71.6	78.1	81.4	83.5	87.6	90.0	92.3	94.0	95.8	97.2	97.4	98.3	98.3	98.3	98.4	98.4
71.6	78.1	81.4	83.6	87.7	90.2	92.6	94.2	96.0	97.5	97.7	98.3	98.6	98.6	98.7	98.7
71.6	78.3	81.6	83.9	88.0	90.7	93.1	94.8	96.7	98.2	98.4	98.9	99.2	99.2	99.4	99.4
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0
71.8	78.6	81.8	84.3	88.4	91.1	93.4	95.2	97.2	98.8	99.0	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 926

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

2311- MARCH APR CA/RIVERSIDE

6-70, 73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATISTICAL															
	≥ 10	≥ 6	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
≥ 1000	51.0	62.1	64.7	66.1	70.4	72.3	73.1	74.5	75.7	76.2	76.5	76.5	76.6	76.6	76.6	76.6
≥ 800	52.3	63.8	66.3	68.0	72.6	74.6	75.7	77.3	79.1	79.5	79.8	79.8	79.9	79.9	79.9	79.9
≥ 600	52.6	64.1	66.7	68.3	73.1	75.0	76.1	77.7	79.4	79.8	80.2	80.2	80.3	80.3	80.3	80.3
≥ 400	52.9	64.3	66.9	68.5	73.4	75.2	76.3	77.9	79.6	80.0	80.4	80.4	80.5	80.5	80.5	80.5
≥ 200	53.7	65.4	68.0	69.6	74.4	76.3	77.3	79.2	80.9	81.3	81.7	81.7	81.8	81.8	81.8	81.8
≥ 100	54.5	66.5	69.5	71.1	75.9	77.9	78.9	80.8	82.5	83.0	83.4	83.4	83.5	83.5	83.5	83.5
≥ 50	55.8	68.4	71.4	73.0	77.9	79.8	80.9	82.7	84.8	85.2	85.7	85.7	85.8	85.8	85.8	85.8
≥ 25	55.3	68.5	71.5	73.1	78.2	80.2	81.2	83.1	85.1	85.7	86.1	86.1	86.2	86.2	86.2	86.2
≥ 15	56.3	69.0	72.1	73.7	78.7	80.7	81.8	83.6	85.7	86.2	86.6	86.6	86.7	86.7	86.7	86.7
≥ 10	56.9	69.6	72.6	74.2	79.3	81.2	82.3	84.1	86.3	86.8	87.2	87.3	87.4	87.4	87.4	87.4
≥ 5	57.2	69.9	72.9	74.5	79.6	81.7	82.8	84.8	86.9	87.5	87.9	87.9	88.0	88.0	88.0	88.0
≥ 3	57.7	70.8	73.6	75.4	80.5	82.5	83.7	85.7	87.8	88.3	88.8	88.8	88.9	88.9	88.9	88.9
≥ 2	57.9	71.0	74.0	75.6	80.7	82.7	83.9	85.9	88.0	88.6	89.0	89.0	89.1	89.1	89.1	89.1
≥ 1	58.4	71.8	74.9	76.5	81.6	83.6	84.8	86.7	88.9	89.4	90.0	90.0	90.1	90.1	90.1	90.1
≥ .75	59.2	72.1	76.2	77.0	83.0	85.0	86.2	88.1	90.3	90.8	91.4	91.4	91.5	91.5	91.5	91.5
≥ .5	59.2	72.7	76.6	78	83.6	85.7	86.8	88.6	90.9	91.5	92.0	92.0	92.1	92.1	92.1	92.1
≥ .25	60.1	75.8	79.2	81	86.1	88.2	89.5	91.5	93.6	94.2	94.7	94.7	94.8	94.8	94.8	94.8
≥ .15	60.3	76.6	80.0	82.2	87.4	89.6	91.0	93.0	95.3	95.8	96.5	96.5	96.6	96.6	96.6	96.6
≥ .1	60.3	76.7	80.2	82.3	87.5	89.8	91.2	93.1	95.4	95.9	96.4	96.4	96.5	96.5	96.5	96.5
≥ .05	60.3	76.7	80.3	82.5	87.8	90.2	91.6	93.9	96.3	97.0	97.5	97.5	97.6	97.6	97.6	97.6
≥ .025	60.3	76.7	80.4	82.7	88.1	90.5	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .01	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .005	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .0025	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .001	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .0005	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .00025	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .0001	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .00005	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .000025	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7
≥ .00001	60.3	76.7	80.4	82.7	88.1	90.6	92.3	94.6	97.1	98.1	98.6	98.6	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2311 MARCH AFB CA/RIVERSIDE

66-70, 73-77

UFL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO DATA	51.3	61.7	63.6	65.7	68.0	69.7	71.2	72.4	72.6	74.0	74.0	75.6	75.0	75.3	75.5	76.3
≥ 2000	52.4	62.6	64.5	66.7	69.4	71.6	72.7	74.0	74.4	76.2	76.8	76.8	77.2	77.6	77.8	78.5
≥ 1800	52.8	62.9	64.8	67.0	69.7	71.9	73.0	74.3	74.8	76.5	77.1	77.1	77.6	77.9	78.1	78.9
≥ 1600	52.8	62.9	64.8	67.0	69.7	71.9	73.0	74.3	74.8	76.5	77.1	77.1	77.6	77.9	78.1	78.9
≥ 1400	53.2	63.2	65.3	67.4	70.1	71.3	72.5	74.8	75.2	76.9	77.6	77.6	78.0	78.3	78.5	79.3
≥ 1200	54.0	64.5	66.5	68.6	71.3	72.5	73.6	75.9	76.4	78.1	78.7	78.7	79.2	79.5	79.7	80.5
≥ 1000	55.6	66.5	68.5	70.7	73.2	74.6	75.8	78.1	78.5	80.3	80.9	80.9	81.3	81.7	81.9	82.6
≥ 800	55.6	66.5	68.5	70.7	73.2	74.6	75.8	78.1	78.5	80.3	80.9	80.9	81.3	81.7	81.9	82.6
≥ 600	55.6	66.5	68.7	70.9	73.7	74.9	77.0	78.3	78.7	80.5	81.1	81.1	81.6	81.9	82.1	82.6
≥ 400	55.8	66.7	68.9	71.1	73.9	75.1	77.2	78.5	79.1	80.8	81.4	81.4	81.9	82.2	82.4	83.2
≥ 200	56.5	67.4	69.7	71.8	74.6	75.8	78.0	79.3	79.8	81.6	82.2	82.2	82.6	83.0	83.2	83.9
≥ 100	57.1	68.1	70.3	72.5	75.3	76.6	78.7	80.2	80.8	82.5	83.2	83.2	83.6	83.9	84.1	84.9
≥ 50	57.3	68.3	70.6	72.7	75.5	76.8	79.1	80.5	81.2	83.0	83.6	83.6	84.0	84.4	84.6	85.3
≥ 25	57.9	69.6	72.0	74.1	77.0	78.3	80.6	82.0	82.7	84.5	85.1	85.1	85.5	85.9	86.1	86.8
≥ 12.5	57.9	69.9	72.5	74.6	77.6	78.9	81.1	82.5	83.3	85.0	85.7	85.7	86.1	86.4	86.6	87.4
≥ 6.25	58.6	71.4	74.0	76.3	79.4	80.7	83.0	84.4	85.1	86.8	87.5	87.5	87.9	88.2	88.5	89.2
≥ 3.125	59.0	72.4	75.2	77.6	80.8	82.1	84.4	85.8	86.5	88.2	88.9	88.9	89.3	89.6	89.9	90.6
≥ 1.5625	59.1	72.8	75.7	78.3	81.7	83.0	85.2	86.6	87.7	89.4	90.1	90.1	90.5	90.8	91.0	91.8
≥ 0.78125	59.2	73.1	76.1	78.6	82.1	83.4	85.7	87.1	88.1	89.9	90.5	90.5	90.9	91.3	91.5	92.2
≥ 0.390625	59.2	73.6	76.5	79.2	82.7	84.0	86.3	87.9	89.0	90.8	91.6	91.6	92.0	92.3	92.6	93.3
≥ 0.1953125	59.2	74.1	77.1	79.9	83.5	84.9	87.2	88.8	90.3	92.6	93.3	93.3	93.7	94.1	94.3	95.0
≥ 0.09765625	59.2	74.1	77.1	79.9	83.6	85.1	87.4	89.0	90.5	93.0	93.7	93.7	94.2	94.5	94.7	95.5
≥ 0.048828125	59.3	74.2	77.2	80.2	83.9	85.4	87.7	89.3	90.8	93.3	94.2	94.2	94.6	94.9	95.1	95.9
≥ 0.0244140625	59.4	74.3	77.3	80.5	84.4	85.9	88.1	89.8	91.3	93.9	94.7	94.7	95.1	95.5	95.7	96.4
≥ 0.01220703125	59.4	74.3	77.5	80.7	84.9	86.4	88.8	90.4	91.9	94.5	95.4	95.4	95.8	96.1	96.3	97.1
≥ 0.006103515625	59.4	74.4	77.6	80.8	85.0	86.5	88.9	90.5	92.2	94.9	95.9	95.9	96.3	96.7	96.9	97.8
≥ 0.0030517578125	59.4	74.5	77.7	80.9	85.1	86.6	89.0	90.6	92.3	95.0	96.0	96.0	96.4	96.8	97.0	98.0
≥ 0.00152587890625	59.4	74.5	77.7	80.9	85.1	86.7	89.1	90.7	92.4	95.1	96.1	96.1	96.7	97.0	97.2	98.4
≥ 0.000762939453125	59.4	74.6	77.8	81.1	85.4	87.2	89.5	91.2	92.9	95.6	96.5	96.5	97.1	97.4	97.6	98.9
≥ 0.0003814697265625	59.4	74.6	77.8	81.1	85.4	87.2	89.5	91.2	92.9	95.7	96.7	96.7	97.2	97.5	97.7	99.2
≥ 0.00019073486328125	59.4	74.6	77.8	81.1	85.4	87.2	89.5	91.2	92.9	95.8	96.8	96.8	97.4	97.7	98.0	99.7
≥ 0.000095367431640625	59.4	74.6	77.8	81.1	85.4	87.2	89.5	91.2	92.9	95.8	96.8	96.8	97.4	97.7	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

DATA PROCESSING BRANCH  
USAF ETAC  
AIR LATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2311 MARCH AFR CA/RIVERSIDE

66-70, 73-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO. OF OBS.	54.3	60.5	62.1	63.8	66.2	67.4	68.7	69.8	70.4	71.0	71.3	71.4	71.6	71.7	72.1	72.6												
≥ 2200	50.6	63.0	64.6	66.5	69.1	70.4	71.8	72.9	73.7	74.4	74.7	74.7	74.9	75.1	75.4	76.0												
≥ 2000	56.7	62.3	65.0	66.8	69.4	70.7	72.1	73.2	74.0	74.7	75.0	75.1	75.3	75.4	75.8	76.4												
≥ 1800	57.0	63.4	65.1	66.9	69.5	70.8	72.2	73.3	74.1	74.8	75.1	75.2	75.4	75.5	75.9	76.5												
≥ 1600	57.9	64.4	66.0	67.9	70.5	71.8	73.2	74.4	75.2	75.9	76.2	76.3	76.5	76.7	77.0	77.6												
≥ 1400	58.8	65.4	67.1	69.0	71.6	73.0	74.4	75.6	76.4	77.1	77.4	77.5	77.8	77.9	78.3	78.9												
≥ 1200	60.0	66.9	68.6	70.5	73.2	74.6	76.0	77.2	78.0	78.8	79.1	79.2	79.4	79.6	79.9	80.5												
≥ 1000	60.2	67.1	68.9	70.8	73.5	75.0	76.4	77.6	78.4	79.1	79.5	79.5	79.8	79.9	80.3	80.9												
≥ 800	60.6	67.6	69.4	71.4	74.2	75.6	77.0	78.2	79.0	79.8	80.1	80.2	80.4	80.6	80.9	81.6												
≥ 600	60.9	67.9	69.8	71.8	74.5	75.9	77.3	78.5	79.4	80.2	80.5	80.6	80.8	80.9	81.3	81.9												
≥ 400	61.3	68.4	70.2	72.2	74.9	76.4	77.8	79.0	79.9	80.6	81.0	81.0	81.3	81.4	81.8	82.4												
≥ 200	61.8	69.0	70.9	72.9	75.6	77.1	78.5	79.8	80.7	81.4	81.7	81.8	82.1	82.2	82.5	83.2												
≥ 100	62.0	69.2	71.2	73.2	75.9	77.4	78.9	80.1	81.0	81.8	82.1	82.2	82.4	82.6	82.9	83.6												
≥ 50	62.7	70.2	72.1	74.1	76.9	78.4	79.9	81.2	82.1	82.9	83.2	83.3	83.5	83.7	84.0	84.7												
≥ 25	63.1	70.9	72.9	75.0	77.8	79.4	80.9	82.2	83.1	83.9	84.2	84.3	84.5	84.7	85.0	85.7												
≥ 10	63.6	71.9	74.0	76.2	79.1	80.7	82.2	83.5	84.4	85.2	85.6	85.7	85.9	86.1	86.4	87.1												
≥ 5	64.3	73.1	75.4	77.6	80.6	82.3	83.8	85.1	86.1	86.9	87.2	87.3	87.6	87.8	88.1	88.8												
≥ 2	64.6	73.9	76.3	78.7	81.7	83.5	85.1	86.4	87.5	88.3	88.7	88.8	89.1	89.2	89.6	90.3												
≥ 1	64.7	74.1	76.6	79.0	82.1	83.8	85.4	86.8	87.8	88.6	89.0	89.1	89.4	89.6	89.9	90.6												
≥ 0	64.9	74.7	77.2	79.7	82.9	84.7	86.4	87.8	88.9	89.8	90.2	90.3	90.6	90.8	91.1	91.8												
≥ 0.5	65.1	75.0	77.7	80.2	83.5	85.4	87.1	88.7	89.9	90.9	91.3	91.4	91.8	92.0	92.3	93.1												
≥ 0.2	65.2	75.2	77.9	80.5	83.9	85.8	87.6	89.2	90.5	91.6	92.0	92.1	92.5	92.7	93.0	93.8												
≥ 0.1	65.2	75.3	78.0	80.7	84.0	86.0	87.8	89.5	90.8	91.8	92.4	92.5	92.9	93.0	93.4	94.1												
≥ 0.05	65.3	75.4	78.2	80.9	84.4	86.4	88.2	89.8	91.2	92.3	92.9	93.0	93.4	93.6	93.9	94.7												
≥ 0.02	65.3	75.5	78.3	81.1	84.6	86.7	88.5	90.2	91.6	92.8	93.4	93.5	93.9	94.0	94.4	95.2												
≥ 0.01	65.3	75.6	78.4	81.2	84.8	86.9	88.8	90.5	92.0	93.3	93.9	94.1	94.5	94.7	95.1	95.9												
≥ 0.005	65.3	75.6	78.5	81.4	85.0	87.1	89.0	90.7	92.3	93.6	94.3	94.4	94.9	95.1	95.5	96.4												
≥ 0.002	65.3	75.7	78.6	81.4	85.1	87.2	89.2	90.9	92.6	93.9	94.7	94.8	95.3	95.6	96.0	96.9												
≥ 0.001	65.3	75.7	78.6	81.5	85.2	87.4	89.3	91.1	92.8	94.3	95.1	95.3	95.8	96.2	96.6	97.6												
≥ 0.0005	65.3	75.7	78.6	81.5	85.2	87.4	89.4	91.2	92.9	94.4	95.3	95.5	96.1	96.5	97.0	98.5												
≥ 0.0002	65.3	75.7	78.6	81.5	85.2	87.4	89.4	91.2	92.9	94.5	95.4	95.5	96.1	96.5	97.1	99.2												
≥ 0.0001	65.3	75.7	78.6	81.5	85.2	87.4	89.4	91.2	92.9	94.5	95.4	95.5	96.1	96.5	97.1	100.0												

TOTAL NUMBER OF OBSERVATIONS 7432

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AF

# CEILING VERSUS VISIBILITY

23112 MARCH 1969 RIVERSIDE

66-70, 73-78

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2	≥ 2
NO CEILING	39.1	54.7	55.2	59.6	65.5	68.1	71.3	71.8	72.4	72.7	72.9	73.0	73.0	73.2	73.7	
≥ 2000	40.2	57.0	56.7	61.1	67.2	69.9	71.9	73.2	73.7	74.3	74.7	74.9	75.0	75.2	75.7	
≥ 1800	40.3	52.1	56.8	61.3	67.3	70.0	71.1	73.4	73.9	74.5	74.8	74.9	75.1	75.2	75.4	75.9
≥ 1600	40.4	52.2	56.9	61.4	67.5	71.1	72.2	73.5	74.0	74.6	75.0	75.0	75.2	75.3	75.5	76.0
≥ 1400	40.8	52.8	57.5	62.1	68.2	70.9	71.0	74.3	74.8	75.5	75.8	75.9	76.1	76.2	76.3	76.8
≥ 1200	41.4	53.5	58.3	63.0	69.1	71.9	72.0	75.3	75.9	76.5	76.8	76.9	77.1	77.3	77.4	77.9
≥ 1000	41.9	54.3	59.1	63.8	70.0	72.8	73.0	76.3	76.9	77.5	77.9	78.0	78.2	78.3	78.5	79.0
≥ 900	42.1	54.4	59.3	64.0	70.3	73.1	73.2	76.6	77.1	77.8	78.1	78.2	78.4	78.5	78.7	79.2
≥ 800	42.4	54.8	59.8	64.5	70.8	73.6	73.8	77.1	77.7	78.4	78.7	78.8	79.0	79.1	79.3	79.6
≥ 700	42.6	55.1	60.0	64.8	71.1	73.9	74.1	77.5	78.0	78.7	79.0	79.1	79.3	79.4	79.6	80.1
≥ 600	42.9	55.5	60.4	65.2	71.5	74.3	74.5	77.9	78.5	79.2	79.5	79.6	79.8	79.9	80.1	80.6
≥ 500	43.3	55.9	60.9	65.7	72.1	74.9	75.1	78.5	79.1	79.8	80.1	80.2	80.4	80.5	80.7	81.2
≥ 450	43.5	56.3	61.2	66.0	72.4	75.3	75.5	78.9	79.4	80.1	80.4	80.5	80.8	80.9	81.0	81.5
≥ 400	44.4	57.4	62.5	67.3	73.8	75.6	75.9	80.3	80.8	81.5	81.9	81.9	82.2	82.3	82.4	83.0
≥ 350	45.2	58.5	63.6	68.5	75.1	77.9	78.2	81.6	82.2	82.9	83.2	83.3	83.5	83.6	83.8	84.3
≥ 300	46.1	59.9	65.2	70.2	76.8	79.7	80.0	83.4	84.0	84.7	85.0	85.1	85.4	85.5	85.6	86.2
≥ 250	46.9	61.3	66.7	71.9	78.6	81.5	81.8	85.3	85.8	86.6	86.9	87.0	87.2	87.3	87.5	88.0
≥ 200	47.4	62.4	67.9	73.3	80.1	83.2	83.5	87.0	87.6	88.4	88.7	88.8	89.0	89.1	89.3	89.8
≥ 180	47.5	62.7	68.3	73.7	80.6	83.7	84.1	87.6	88.2	88.9	89.3	89.3	89.6	89.7	89.9	90.4
≥ 160	47.8	63.4	69.1	74.7	81.8	85.0	85.4	89.0	89.6	90.3	90.7	90.8	91.0	91.1	91.3	91.8
≥ 140	48.0	63.8	69.7	75.4	82.7	86.0	86.5	90.1	90.7	91.5	91.9	92.0	92.2	92.3	92.5	93.0
≥ 120	48.0	64.0	70.0	75.8	83.3	86.6	87.2	90.8	91.5	92.3	92.7	92.8	93.0	93.2	93.3	93.9
≥ 100	48.1	64.1	70.2	76.1	83.6	87.0	87.6	91.3	92.0	92.8	93.2	93.3	93.6	93.7	93.9	94.4
≥ 80	48.1	64.2	70.3	76.3	83.9	87.3	87.9	91.8	92.5	93.3	93.8	93.9	94.1	94.2	94.4	95.0
≥ 70	48.1	64.3	70.4	76.4	84.1	87.6	88.3	92.1	92.8	93.7	94.1	94.2	94.5	94.6	94.8	95.4
≥ 600	48.1	64.3	70.5	76.5	84.2	87.8	88.6	92.5	93.3	94.2	94.7	94.8	95.1	95.2	95.4	96.0
≥ 500	48.1	64.3	70.5	76.5	84.4	88.0	88.9	92.9	93.7	94.8	95.3	95.4	95.7	95.8	96.1	96.6
≥ 400	48.1	64.4	70.6	76.6	84.5	88.1	89.1	93.2	94.1	95.3	95.8	96.0	96.3	96.5	96.7	97.3
≥ 300	48.1	64.4	70.6	76.6	84.5	88.2	89.2	93.3	94.3	95.6	96.2	96.4	96.8	97.1	97.4	98.0
≥ 200	48.1	64.4	70.6	76.6	84.5	88.2	89.2	93.4	94.3	95.7	96.4	96.6	97.2	97.5	97.9	98.9
≥ 100	48.1	64.4	70.6	76.6	84.5	88.2	89.2	93.4	94.4	95.7	96.4	96.7	97.2	97.6	98.1	99.5
≥ 0	48.1	64.4	70.6	76.6	84.5	88.2	89.2	93.4	94.4	95.7	96.4	96.7	97.2	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 87625

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- \* 2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse



3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR BATTLE SERVICE/MAC  
2311Z MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

### DAILY TEMPERATURES

231  
STATION

STATION NAME

2-71

**YEARS**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINHON

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75							.1	.4	.4				.1
70							4.6	5.8	2.6				1.1
65						2.1	21.4	27.4	13.9	.8			6.2
60			.1			12.8	59.8	62.5	37.8	5.3	.7		15.1
55	.3	.7	.5	2.9	15.2	54.1	91.2	91.6	70.0	23.1	2.6	.8	29.7
50	3.7	7.1	7.0	20.9	60.1	91.4	99.8	99.9	93.0	58.1	13.8	5.5	46.9
45	20.3	23.7	31.1	53.2	88.4	98.6	100.0	100.0	99.6	84.4	45.8	19.0	63.9
40	42.3	53.5	66.6	82.4	98.4	99.9			100.0	96.7	77.2	45.4	80.3
35	67.1	81.3	89.0	96.6	99.9	100.0				99.7	92.3	73.7	91.7
30	78.5	89.3	94.3	98.6	100.0					99.8	95.8	82.2	94.9
25	89.6	96.9	98.8	99.7							99.2	92.9	98.1
20	98.3	99.9	99.9	100.0						100.0	100.0	98.7	99.7
15	99.7	100.0	100.0									99.8	100.0
10	100.0											100.0	100.0
5													
0													
MEAN	38.0	40.2	41.6	44.7	50.1	55.6	61.1	61.4	57.9	50.4	43.5	38.7	48.6
S D	5.756	6.050	5.458	5.505	4.434	4.248	4.972	5.054	5.854	5.775	5.819	6.494	9.995
TOTAL OBS	930	847	930	900	920	900	930	930	899	930	900	930	10956

**YEARS**

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS.

23115 MARCH AFB CA/RIVERSIDE

48-12

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48									107	94	83	75	
49	65	79	74	92	95	93	100	103	107	95	92	93	101
50	79	81	86	89	88	103	102	106	101	103	92	90	100
51	83	85	85	88	90	94	100	98	104	97	86	72	104
52	71	73	82	88	92	95	98	101	100	100	85	73	101
53	80	80	86	80	87	97	103	102	104	99	85	61	104
54	80	87	82	95	88	102	102	102	98	99	85	70	102
55	77	79	86	85	93	97	98	106	110	97	87	77	110
56	78	70	84	87	99	100	97	105	104	90	90	80	105
57	73	85	82	85	91	103	105	101	100	85	80	79	102
58	77	81	74	95	92	95	107	100	102	100	88	68	107
59	85	79	85	96	85	99	107	102	100	99	85	82	107
60	73	71	85	90	96	100	108	100	102	93	83	80	100
61	82	79	80	97	89	110	102	101	97	97	88	75	110
62	65	78	84	95	93	105	101	104	102	94	90	80	105
63	72	87	82	83	88	92	100	103	103	87	84	78	103
64	82	75	81	91	87	102	105	103	96	99	81	71	105
65	78	80	78	91	93	89	101	106	96	100	84	61	106
66	77	74	92	95	100	102	98	100	100	93	85	75	102
67	77	82	83	73	103	98	103	109*	94	96	88	75	109
68	77	85	87	89	100	109	102	101	104	99	87	75	104
69	81	67	82	84	92	100	102	106	104	96	87	78	106
70	72	82	80	84	99	106	105	107	100	99	90	76	107
71	85	85	89	88	89	100	107	107	114	102	87	63	114
72	72	83	93	89	98	104	110	105	96	87	81	80	110
73	79	70	68	89	101	107	107	102	96	96	82	81	107
74	74	76	78	86	100	102	100	99	100	95	86	75	102
75	82	78	83	77	94	94	99	106	102	97	91	84	105
76	85	81	81	90	98	105	103	105	96	92	88	77	105
77	73	87	78	88	91	93	101	98	98	95	89	81	101
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/MAC

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

23110      MARCH AFB CA/RIVERSIDE  
STATION      STATION NAME

48-73

YEARS

°Celsius DEGREES FAHRENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

# (AT LEAST ONE DAY LESS THAN 24 DBS)

USAF ETAC <sup>P200</sup><sub>25 44</sub> 0-88-5 (OLA)

3

DATA PROCESSING BRANCH  
USAF/ETAC/DL A  
AIR WEATHER SERVICE/WAC

## EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

23115 MARCH APR 64/RIVERSIDE

48-28

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48										45	30	35	28	
49		23	27	35	38	40	42	50	52	47	36	41	27	23
50		26	31	34	39	39	45	53	50	49	45	30	32	26
51		29	31	32	37	41	42	53	50	52	42	34	29	27
52		27	35	32	42	44	46	54	55	45	44	33	31	27
53		33	27	31	33	40	44	57	52	48	40	33	30	27
54		29	32	30	41	42	45	55	51	50	42	39	28	20
55		31	28	32	32	40	45	52	59	46	45	34	29	20
56		31	29	32	34	45	42	54	54	55	38	34	32	24
57		32	32	39	39	45	51	55	52	52	43	35	36	32
58		32	36	33	38	47	49	53	58	53	47	26	33	26
59		37	33	40	43	41	51	59	52	52	47	37	34	32
60		25	32	38	39	41	50	54	53	52	44	36	27	25
61		30	37	37	37	46	48	56	50	47	37	33	32	30
62		27	32	33	40	42	47	51	51	46	40	30	23	23
63		18	38	29	32	40	42	51	53	54	44	32	26	10
64		26	27	27	35	40	44	52	53	47	40	30	30	20
65		27	22	33	36	36	45	52	54	44	43	34	31	22
66		25	25	27	39	44	45	49	52	44	38	31	29	20
67		28	30	25	32	33	41	55	60*	55	42	32	27	20
68		23	35	27	28	38	46	49	50	46	42	29	17	17
69		27	29	30	34	44	49	50	53	49	35	29	20	20
70		21	30	30	27	40	43	54	58	45	38	34	27	21
71		25	25	24	31	41	39	53	49	42	28	29	17	17
72		24	25	29	32	37	50	53	54	46	40	30	23	23
73		16	34	31	29	37	47	51	52	48	40	31	31	10
74		31	28	33	34	35	48	51	53	51	43	36	25	25
75		23	24	33	34	37	49	52	52	53	37	29	27	23
76		21	27	30	38	48	49	57	51	53	40	32	31	21
77		33	32	31	37	43	52	54	57	50	44	37	31	31
MEAN														
S.D.														
TOTAL OBS														

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (JLA) # (AT LEAST ONE DAY LESS THAN 24 OBS)







## PSYCHROMETRIC SUMMARY

7-7, 73-78

; Att

PAGE 2

0000-0200

MO, RS 14.5

U.S.A. EYAC  
FORM  
0-26 5 (01, A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2000

## YEARS

7-7, 73-78

JA:

PAGE 1

0300-0500

NOV 25 1954

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USA, ETAC

3

## YEARS

7-70, 72-75

145

MONITORING

PAGE 2

6300-0500

HOURS 5.5

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

JAN

HOURS (L. S. T.)

0.26-5 (JL A)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

JAN

**MONTH**

0600-0800

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**D.26.5 (OLA)**

FORM 4-74

USAFETAC

3

1

JAA

**MONTH**

0900-1100

HOURS 12.5. T.1

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY:

7-7, 73-78

Jan  
MON

YEARS

PAGE 2

0900-1100

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
12/ 11																																	11	
10/ 9																																	8	
8/ 7																																	6	
6/ 5																																	5	
4/ 3																																	5	
2/ 1																																	3	
0/ -1																																	4	
TOTAL	1.3	20.3	18.5	10.2	8.3	8.1	6.0	6.3	5.7	5.2	3.9	3.2	1.8	.9	.2	.1																		
																			930															
				</																														

USAFETAC FORM 0-26.5 (OLA)  
REV. 4-81  
REVISÉD PREVIOUS EDITION, OF THIS FORM ARE OBSOLETE



3

JAN

7-73, 73-72

1250-1400

USAFETAC  
FORM  
JUL 64  
0-26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-70, 73-78

July  
1947

PAGE 2

1200-1400

NOV 25 1964

Temp 'F	WET BULB TEMPERATURE DEPRESSION 'F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
18/ 17																																41					
16/ 15																																31					
14/ 13																																14					
12/ 11																																14					
10/ 9																																12					
8/ 7																																0					
6/ 5																																5					
4/ 3																																0					
TOTAL	7.1	10.1	9.1	7.2	7.3	7.0	7.0	5.9	5.6	9.8	6.1	5.4	5.8	2.2	1.4			930		930											930						

Element (X)	Σ x <sup>2</sup>	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2233984	39374	42.3	24.705	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3520667	56665	60.9	8.559	930			23.6	11.9	1.0		93
Wet Bulb	2131279	44267	47.6	5.106	930							93
Dew Point	1171823	31019	33.4	2.154	930		43.1					93

USAF-ETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

卷三

## 7669

7-72, 73-78

13

1500-1700

100-25 500

0 26.5 (01 A): REVISID PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

USAFETAC

3

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7-72, 73-75

JA's

1500-1700

50-25 5

0-26-5 (OL A) REVISED PREVIOUS EDITIONS. FOR THIS FORM ARE CONSIDERED.

USAFFAC

DATA PROCESSING BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE

67-70, 73-78

JAN

PAGE 1 1800-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point						
74/ 73												.2						2	2							
72/ 71													.2	.1				3	3							
70/ 69										.1	.1	.3	.1	.1				7	7							
68/ 67										.2	.2	.2	.1					7	7							
66/ 65									.1	.1	.3	.4	.5					14	14							
64/ 63								.1	.2	.2	.5	.4	.1					15	15							
62/ 61								.4	.4	.1	.8	.3						19	19							
60/ 59			.1	.1	.2	1.0	1.1	1.0	.8	.3	.5	.1						48	48							
58/ 57		.9	.5	.4	.5	1.3	.4	.8	1.0	.6	.3							63	63	2	1					
56/ 55		1.2	1.6	.9	1.2	.6	1.4	.7	1.4	.5	.2							93	93	16	3					
54/ 53	.2	2.4	2.5	1.5	1.1	1.2	.5	.6	.9	.2	.4							103	108	15	15					
52/ 51	.4	4.0	5.0	1.4	1.0	1.0	.6	.3	1.1	.4								153	153	38	16					
50/ 49	.2	3.5	3.7	1.0	1.1	1.0	.5	.4	.3	.2								111	111	107	49					
48/ 47	.1	2.6	3.0	1.5	1.0	.8	.1	.2	.4									90	90	151	59					
46/ 45	.1	1.6	1.5	2.2	.5	.5	.5	.4	.3									72	72	128	78					
44/ 43		.8	1.7	.9	.4	1.0	.4	.1										49	49	94	70					
42/ 41		.6	.4	1.0	.5	.2	.4											30	30	89	63					
40/ 39		.6	.6	.5	.1	.4	.1											23	23	90	48					
38/ 37		.5	.4	.3		.1												13	13	52	49					
36/ 35		.3	.4															7	7	46	53					
34/ 33		.1	.1															2	2	39	56					
32/ 31					.1													1	1	20	38					
30/ 29																				11	50					
28/ 27																				1	25					
26/ 25																					37					
24/ 23																				1	34					
22/ 21																					22					
20/ 19																					32					
18/ 17																					22					
16/ 15																					22					
14/ 13																					16					
12/ 11																					10					
10/ 9																					14					
8/ 7																					7					
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

3

YEARS

7-75, 73-72

121

Page 2

1895-2000

MOLES 1. 5. 7.

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REPLACES PREVIOUS EDITIONS OF THIS FORM AND DISCRIPT

33

VEARS

7-70, 73-70

$$\frac{JA^2}{\mu \sigma T^2}$$

PAGE 1 2100-2300

USAFETAC FORM 0.26-5 (OL A) REV 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-76, 73-76

JAN  
MONTH

PAGE 2

2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
0/-1																						7
-2/-3																						6
-4/-5																						1
TOTAL	1.2	3.7	1.2	1.6	8.5	6.5	5.4	4.0	4.3	.7	.9	.2						930	930		930	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	4524443	60847	65.4	24.1	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	2098910	43796	47.1	6.2	930		1.1	.1				93										
Wet Bulb	1634204	38554	41.5	6.2	930		7.3					93										
Dew Point	1203086	31514	33.9	12.0	930	1.4	38.8					93										

USAFETAC  
FORM  
JUL 64  
0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

1454

574

STATION NAME

YEARS

MONTE

PAGE 1

ALL

HOJAS 14 - S. 1.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
86/ 85																.0		2	2															
84/ 83																.0		2	2															
82/ 81																.1		13	13															
80/ 79													.0	.2	.1	.1		27	27															
78/ 77												.1	.1	.2	.2	.0		36	36															
76/ 75											.0	.1	.2	.2	.1	.0		54	54															
74/ 73										.0	.2	.3	.3	.2	.1			83	83															
72/ 71							.0		.0	.1	.1	.3	.1	.3	.0			76	76															
70/ 69							.0	.1	.1	.2	.3	.2	.4	.1				104	104															
68/ 67						.1	.1	.2	.2	.3	.4	.2	.3	.0				132	132															
66/ 65					.1	.1	.2	.2	.2	.4	.4	.4	.1	.0				149	149															
64/ 63			.0	.0	.1	.1	.4	.4	.4	.5	.6	.2	.1					199	199															
62/ 61		.0		.1	.1	.3	.4	.3	.4	.5	.3	.0	.1					199	199															
60/ 59		.1	.1	.3	.4	.5	.5	.6	.4	.6	.3	.1						293	293															
58/ 57		.6	.6	.7	.5	.6	.3	.5	.4	.3	.3	.0						363	363	27	7													
56/ 55		1.0	1.1	.7	.7	.6	.6	.5	.7	.4	.2							482	482	141	33													
54/ 53	.1	1.9	1.3	.7	.6	.7	.3	.6	.5	.3	.1							524	524	283	100													
52/ 51	.2	3.2	2.0	.9	.5	.4	.6	.7	.4	.3	.0							688	688	554	148													
50/ 49	.2	3.5	2.3	.8	.6	.6	.8	.5	.3	.1								721	722	703	318													
48/ 47	.3	3.0	1.8	.9	.8	.5	.5	.2	.2	.0								613	613	8	477													
46/ 45	.3	3.1	1.2	1.3	.6	.8	.3	.3	.2									597	597	79	467													
44/ 43	.2	2.1	1.4	.8	.5	.7	.2	.1	.0									448	448	736	486													
42/ 41	.1	1.7	.9	1.0	.5	.3	.2	.1										351	351	619	495													
40/ 39	.2	2.0	1.3	1.0	.4	.3	.1											388	388	615	407													
38/ 37	.3	1.5	1.1	.6	.3	.2	.1											302	302	583	434													
36/ 35	.1	1.1	.8	.3	.3	.1	.0											200	200	493	406													
34/ 33	.1	.8	.8	.3	.1													155	155	380	386													
32/ 31	.0	.5	.3	.1	.1	.0												75	75	248	389													
30/ 29	.0	.4	.3	.1	.1													67	67	184	427													
28/ 27	.0	.3	.2	.1	.0													54	54	118	382													

FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OIA)



1  
3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE 7-70, 73-78  
STATION STATION NAME YEARS

PAGE 1 0000-0200  
MOUSE

Temp. °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
64/ 63																			1		1														
62/ 61										.1		.1							2		2														
60/ 59				.1			.2	.5											7		7														
58/ 57		.5	.1	.4			.1	.5		.4									16		16														
56/ 55	.2	.6	.8		.1		.2	.7	.4	.4									29		29	7	2												
54/ 53		1.7	.9	.2	.1	.1	.2	.6	.5	.4									40		40	7	7												
52/ 51		2.8	2.8	.2	.4	.2	.4	.8	.5										69		69	33	9												
50/ 49	.5	2.7	2.4	.5	.6	.6	.5	.2	.1										70		70	46	33												
48/ 47	.2	9.1	1.9	.4	.5	1.4	.5	.1											120		120	53	47												
46/ 45	.6	5.3	2.8	1.5	2.1	.6	.1												111		111	115	77												
44/ 43	.5	5.0	3.5	1.3	1.4	.2	.4												104		104	77	79												
42/ 41	.4	5.3	2.7	1.4	.5	.6	.1	.1											91		91	99	58												
40/ 39	.8	5.0	3.0	1.5	.4	.2													92		92	150	71												
38/ 37	.2	2.2	2.0	.6	.6		.1												51		51	105	72												
36/ 35	.2	1.4	.1	.2		.1													20		20	86	52												
34/ 33	.1	1.2	.2	.1															14		14	86	57												
32/ 31		.5	.1	.1															6		6	29	47												
30/ 29		.2		.1															3		3	13	50												
28/ 27																						5	46												
26/ 25																						3	34												
24/ 23																								22											
22/ 21																								17											
20/ 19																								15											
18/ 17																								9											
16/ 15																								17											
14/ 13																								9											
12/ 11																								3											
10/ 9																								5											
8/ 7																								4											
6/ 5																								1											
4/ 3																								3											
TOTAL	4.0	63.5	23.2	9.0	6.7	4.4	2.8	3.2	2.0	.8	.4										846		846												
																					846		846												
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4934809		62045		73.32		1.331		846		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																		
Dry Bulb	1765916		38344		45.3		5.758		846				9				84																		
Wet Bulb	1462751		34861		41.2		5.572		846			5.0					84																		
Dew Point	1170816		30378		35.9		4.731		846			28.0					84																		

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-70, 73-75

44

0.554

0300-9500

MOUS

[illegible]



DATA PROCESSING - RANCH  
USAF ETAC  
AIR - EATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23119 MARC-AFB CA/RIVERSIDE  
STAT ON STAT ON SAME

7-72, 73-78

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PAGE 1

5930-1100

Temp. F.	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81														.1				1	1																
80/ 79															.1			1	1																
78/ 77								.1		.1					.1			2	3																
76/ 75									.1			.1	.4	.4				2	6																
74/ 73					.1				.1		.2	.2	.4	.1				10	10																
72/ 71									.1	.1	.1	.6	.2					13	10																
70/ 69							.2	.2	.1	.4	.4	.4	.5	.1				19	19																
68/ 67					.1		.2	.4	.4	.6	.9	.6	.1					28	28																
66/ 65				.1		.5	.4	.7	.7	.6	.7	.5						37	37	1															
64/ 63			.1	.1	.2	.6	1.1	.7	.7	.4	.2							29	29	1															
62/ 61				.2	.7	.7	.5	1.3	.9	.2	.4	.2						52	52	1	1														
60/ 59			.1	.6	1.2	1.2	1.5	1.1	.9	.9	.2							66	66	1															
58/ 57		.6	.6	1.1	.6	1.1	1.2	.6	.8	.8	.1							69	69	5															
56/ 55	.1	.6	1.4	1.4	.9	1.2	1.1	.2	.6									64	64	26	2														
54/ 53	.1	1.5	1.9	1.9	1.5	1.4	.6	.5	.7	.1								87	87	44	10														
52/ 51		1.9	3.7	1.9	1.1	.7	.7	.5		.2								90	90	63	16														
50/ 49	.1	3.9	3.7	1.1	1.1	.4	.4	.2										91	91	107	38														
48/ 47	.4	4.3	1.4	.6	.6	.2		.1	.1									67	67	167	56														
46/ 45	.7	4.3	.9	.7	.2	.1	.1											65	60	160	104														
44/ 43	.4	2.1	.2	.1		.2												26	26	112	96														
42/ 41	.6	.8	.1	.2														15	15	78	80														
40/ 39	.4	.5	.2		.1													10	10	48	48														
38/ 37			.1															1	1	16	51														
36/ 35		.1																1	1	9	49														
34/ 33		.1																1	1	5	38														
32/ 31																				2	45														
30/ 29																					46														
28/ 27																					24														
26/ 25																					31														
24/ 23																					25														
22/ 21																					27														
20/ 19																					8														
18/ 17																					72														
16/ 15																					2														
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26.5 (OL-A)

FORM 10

USAFETAC

## PSYCHROMETRIC SUMMARY

7-7, 73-78

$$\frac{FC}{MCHM}$$

PAGE 2

0900-2100  
HOURS .. S. T.

Temp C	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
14/ 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

3

## 134

YEARS

1200-1400

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

## 3

29110

7-7c, 7d-7e

553

224

Page 2

1250-1450

1955. S. 2.

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE FOR 64

1  
3DATA PROCESSING BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/MAF

## PSYCHROMETRIC SUMMARY

23119 MARCH APR CA/RIVERSIDE

7-7, 73-76

FEB

PAGE 1 1500-1700

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B. Dr. Bulb Wet Bulb Dew Point	TOTAL
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
88/ 87																																	1	1	
84/ 83																																	3	3	
82/ 81																																	9	9	
80/ 79																																	10	10	
78/ 77																																	17	17	
76/ 75																																	37	37	
74/ 73																																	33	33	
72/ 71																																	43	43	
70/ 69																																	37	37	
68/ 67																																	68	68	
66/ 65																																	70	70	
64/ 63																																	69	69	
62/ 61																																	69	69	
60/ 59																																	66	66	
58/ 57																																	73	73	
56/ 55																																	57	57	
54/ 53																																	76	76	
52/ 51																																	45	45	
50/ 49																																	26	26	
48/ 47																																	19	19	
46/ 45																																	13	13	
44/ 43																																	4	4	
42/ 41																																	1	1	
40/ 39																																			
38/ 37																																			
36/ 35																																			
34/ 33																																			
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
22/ 21																																			
20/ 19																																			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature										Total														
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 408M JUL 64 0.26-5 (OL A) REVISIO REVERUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-72, 73-75

29  
30  
31

0432

1507-1500

Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
18/ 17																																					10
16/ 15																																					17
14/ 13																																					10
12/ 11																																					9
10/ 9																																					7
8/ 7																																					2
TOTAL	.2	7.1	10.5	8.5	11.5	6.6	6.7	4.4	9.0	5.9	7.1	7.1	5.9	3.0	2.0	1.3	.1																		846	846	846

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Ret. Num.	2227272	38240	45.28	4.296	846	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 85^\circ F$	$\leq 93^\circ F$	
Dry Bulb	3322133	52527	62.1	8.493	846			25.6	10.9	1.8		84
Wet Bulb	2065108	41644	49.2	4.378	846							54
Dew Point	1223275	30361	36.51	0.742	846		27.5					84

3

Fl. 5.

7-70, 73-78

YEARS

PAGE 1

1800-2000  
HOURS (L.S.T.)

USAFETAC FORM 0-26-5 (OL-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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23117 MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

7-71, 73-78

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

USAFETAC  
FORM  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

762

MONTH

PAGE 2

ALL

HOURS LESS

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OL A)

Form 44

USAFETAC





## PSYCHROMETRIC SUMMARY

448

0300-0500

HOURS: 1.5

## PSYCHROMETRIC SUMMARY

7-76, 73-70

PAGE 1

0500-0000

MO-RS : 5. "

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

LAP  
MONT-  
3000-0000  
HOURS 5.7

[illegible]

USAFETAC  
FORM  
MIL 04  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

$$\frac{VAR}{MON} =$$

PAGE 2      0900-100  
MOVS .. 5 "

[illegible]

## PSYCHROMETRIC SUMMARY

7-7a, 73-7c

432

PAGE 1 1200-1400

1200-1400  
NOV 15 1957

[illegible]

3

75-255

7-72, 73-76

-42

PAGE 2      1200-1400

USAFETAC 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM JUL 64



3

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7-7, 73-78

20

PAGE 1 1500-1700

# THE UNIVERSITY OF CHICAGO PRESS

0.265 (01  $\Delta$ )

USAFETAC

## PSYCHROMETRIC SUMMARY

MAK

STATION

STATION NAME

YEARS

**MONTH**

1500-1700

HOURS (L. S. I.)

[illegible]



## PSYCHROMETRIC SUMMARY

4. AK

STATION

ATION NAME

YEARS

MONTH

1800-2000

HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23119 STATION MARCH AFB CA/RIVERSIDE

7-70, 73-78

YEARS

MAK  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73												.1	.1					2	2						
72/ 71													.1					1	1						
70/ 69													.1					1	1						
66/ 65									.1									1	1						
64/ 63									.2	.3								5	5						
62/ 61			.2	.2			.1		.1									6	6						
60/ 59	.1		.3	.2	.4	.1		.1		.1								13	13	1	1				
58/ 57		.2	1.3	.0	.4	.3	.3		.2	.1								33	33	4					
56/ 55	.2	1.4	1.8	.9	1.2	.3	.2	.2	.1	.3								62	62	11	6				
54/ 53	.4	2.7	3.8	1.1	.8	.4	.3	.2	.1	.1								92	92	38	17				
52/ 51	.2	3.7	7.6	1.9	.2	.2	.2	.2		.2								135	135	66	31				
50/ 49		5.3	6.5	1.0	.4	.3	.4	.1	.1									131	131	98	31				
48/ 47	.1	5.3	4.5	1.6	1.2	.5	.3											126	126	152	87				
46/ 45	.1	6.1	3.7	1.6	.3	.1	.3	.1										115	115	141	95				
44/ 43		5.6	2.5	.5	.4	.1	.3											88	88	104	140				
42/ 41		3.4	2.5	.8	.2	.2												66	66	110	109				
40/ 39		2.7	.9	.4	.3													40	40	95	98				
38/ 37		.6	.5	.1														12	12	63	62				
36/ 35			.1															1	1	21	69				
34/ 33																				18	37				
32/ 31																				6	27				
30/ 29																					18				
28/ 27																					23				
26/ 25																					16				
24/ 23																					6				
22/ 21																					7				
20/ 19																					7				
18/ 17																					6				
16/ 15																					6				
14/ 13																					2				
12/ 11																					5				
10/ 9																					1				
4/ 3																					2				
2/ 1																					1				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

3

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MAR  
MONTI

PAGE 2      2100-2500  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

**Chronic**

442

57A-25

5-A' CH NAME

YEARS

MON

ALL

MOORE, S. T.

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (QLA)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

23117	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

7-72, 73-76

442

MCNIN

PAGE 4

ALL

HOLRS L. S. 7.1

[illegible]



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

23119      MARCH AFB CA/RIVERSIDE  
STAT ON      STAT ON NAME

7-71, 73-78

ΔΡΡ

PAGE 1 0000-0200  
MOORE, S. J.

USAFETAC FORM 0.26-5 (QLA)

3  
 10/10/2017

ΔF3

7-72, 73-78

PAGE 1 0300-0500

MSLR 5.5

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23112 MARCH APR CA/RIVERSIDE

7-73-78

APR

PAGE 1

0500-0500  
HOURS U.S.T.

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
75/ 75																.1		1	1																
74/ 73											.1							1	1																
72/ 71													.1					1	1																
70/ 69									.1	.1			.2					4	4																
68/ 67									.1				.1	.2				4	4																
66/ 65										.1			.2					3	3																
64/ 63				.1		.2	.3	.1	.2	.3	.1							13	13																
62/ 61					.4	.6	.2	.4	.1	.4	.2							22	22																
60/ 59				.2	.6	.4	.1	.2	.1		.1							15	16																
58/ 57		.1	.4	.8	.3	.6	.1	.4	.2	.1	.1							33	33	1															
56/ 55	.1	1.1	1.1	1.4	.9	.3	.4			.1								50	50	4	1														
54/ 53	.2	2.3	3.2	1.7	.9	.6	.3	.1										84	84	32	11														
52/ 51	.6	3.3	4.1	1.7	.8	.1	.2											97	97	79	28														
50/ 49	1.2	4.8	4.9	1.9	.6	.9	.2											132	132	99	55														
48/ 47	1.6	5.8	4.3	1.3	.2													114	114	127	79														
46/ 45	.3	6.8	3.4	.8	.3	.1	.1											107	107	141	97														
44/ 43	.1	5.4	1.9	.3	.1													71	71	143	102														
42/ 41	.4	4.3	2.0	.3														64	64	98	119														
40/ 39	.3	2.9	.6	.2														36	36	90	116														
38/ 37	.3	1.9	.3	.2														25	25	35	80														
36/ 35		1.0	.1															10	10	24	67														
34/ 33	.1	.8																8	8	13	39														
32/ 31		.2	.2															4	4	7	27														
30/ 29																				3	27														
28/ 27																				1	13														
26/ 25																					9														
24/ 23																					10														
22/ 21																					7														
20/ 19																					5														
18/ 17																					3														
14/ 13																					3														
12/ 11																					1														
10/ 9																					1														
Element (X)	ΣX²	ΣX	̄X	σx	No. Obs.	Mean No. of Hours with Temperature							Total																						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

7-7, 73-78

APR  
4 1971

PAGE 2      0600-0200  
 06 05 10 15 20

[illegible]



## PSYCHROMETRIC SUMMARY

7-72, 73-75

40

244

001-66099

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
20/ 19																						16													
18/ 17																						13													
16/ 15																						6													
14/ 13																						2													
12/ 11																						1													
TOTAL	.3	3.0	12.0	17.4	14.4	11.9	7.9	5.7	5.4	5.6	5.0	3.6	2.6	2.9	2.1	1.2	.7	900			900														

## PSYCHROMETRIC SUMMARY

7-7, 77-78

1998

PAGE 1 1200-1400

## PSYCHROMETRIC SUMMARY

- 7-7., 73-78

APR  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.S.-W.B.	Dry Bulb	Wet Bulb	Dew Point											
22/ 21																						26										
20/ 19																						10										
18/ 17																						10										
16/ 15																						8										
14/ 13																						2										
12/ 11																						1										
TOTAL	1.0	3.4	8.7	10.3	13.0	11.1	7.2	8.1	5.9	4.4	4.9	4.4	4.3	3.6	3.4	3.1	900	900	900	900												

USAFETAC  
FORM  
MAY 1962  
0-25-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

APK

STALIN

STATION NAME

YEARS

MONTE

PAGE 1 1500-1700  
HOURS (L S T)

1500-1700  
HOURS ( ) S T M

[illegible]

## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
22/ 21																						11										
20/ 19																						13										
18/ 17																						6										
16/ 15																						3										
14/ 13																						5										
TOT:	2.1	3.0	9.1	12.2	13.6	12.0	7.8	6.6	7.6	2.7	3.6	4.6	2.7	2.1	3.0	1.7		899			899											
																		899														
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature							Total																			
Rel. Hum.	2071801	39725	44.2	18.772	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	4020131	59575	66.3	18.967	899			43.2	25.2	6.8		90																				
Wet Bulb	2519552	47384	52.7	14.957	899			.3				90																				
Dew Point	1584366	36848	41.0	9.081	899		16.3	.1				90																				

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTHS

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]0-26.5 (01-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 2 1000-2000  
HOURS 11.5.71

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE NIH AA

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE

7-70, 73-76

APR  
MONTH

PAGE 1 2100-2500  
HOURS L.T. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31																					
68/ 67									.1									1															1	1				
66/ 65										.2	.1							3															3	3				
64/ 63							.2		.1	.1								4															4	4				
62/ 61						.2	.3	.1	.1	.2								9															9	9				
60/ 59		.2		.1	.6	.6	.1	.4	.4	.3								25														25	25	1				
58/ 57		.8	.8	1.1	1.7	.4	.1	.3	.1	.1								48														48	48	2	2			
56/ 55	.3	1.7	1.7	2.7	1.1	.3	.8	.1	.1									79														79	79	11	5			
54/ 53	.1	2.8	3.7	2.8	1.1	.7	.3	.2	.1									106														106	106	33	15			
52/ 51	.4	5.4	5.7	2.1	1.2	.6	.2											141														141	141	71	24			
50/ 49	.1	6.1	7.3	2.8	.9	.1	.2											158														158	158	150	50			
48/ 47	.2	5.0	5.8	1.8	.4	.4												123														123	123	144	108			
46/ 45	.1	5.2	3.4	1.2		.2												92														92	92	108	113			
44/ 43	.1	3.1	1.8	.6	.4													54														54	54	141	105			
42/ 41	.2	1.9	1.2	.7														36														36	36	80	132			
40/ 39		1.1	.1	.2														13														13	13	59	113			
38/ 37		.6	.1															6														6	6	24	69			
36/ 35																		2														2	2	11	50			
34/ 33																																			4	33		
32/ 31																																			1	20		
30/ 29																																				9		
28/ 27																																				12		
26/ 25																																				15		
24/ 23																																				9		
22/ 21																																				4		
20/ 19																																				3		
18/ 17																																				2		
TOTAL	1.7	3.9	1.8	6.0	7.4	3.6	2.3	1.2	1.0	1.0	.1							900														900	900	900	900			
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature						Total																
Rel. Hum.	5191701			66857			74.3			15.827			900			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																
Dry Bulb	2285731			45137			50.2			4.948			900					.1				90																
Wet Bulb	1916692			41358			46.0			4.239			900					.1				90																
Dew Point	1592629			37411			41.6			6.462			900					7.4				90																

3

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23113 MARCH APR CA/RIVERSIDE

7-76, 73-76

APR

STATION

STATION NAME

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

Temp. °F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
90/ 89																																					
88/ 87																																					
86/ 85																																					
84/ 83																																					
82/ 81																																					
80/ 79																																					
78/ 77																																					
76/ 75																																					
74/ 73																																					
72/ 71																																					
70/ 69																																					
68/ 67																																					
66/ 65																																					
64/ 63																																					
62/ 61																																					
60/ 59																																					
58/ 57																																					
56/ 55																																					
54/ 53																																					
52/ 51																																					
50/ 49																																					
48/ 47																																					
46/ 45																																					
44/ 43																																					
42/ 41																																					
40/ 39																																					
38/ 37																																					
36/ 35																																					
34/ 33																																					
32/ 31																																					
30/ 29																																					
28/ 27																																					
26/ 25																																					
24/ 23																																					
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature															Total						
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-70, 73-78

424

PAGE 2

411

NO. 25

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
22/ 21																						61													
20/ 19																						56													
18/ 17																						59													
16/ 15																						26													
14/ 13																						17													
12/ 11																						5													
10/ 9																						1													
TOTAL	2.1	24.9	19.2	12.1	8.8	7.5	5.4	4.2	3.3	2.0	2.2	1.7	1.6	1.3	1.1	1.0	.7		7198		7198														





3

## 3

23119

7-7, 73-70

MAY

PAGE 1

0300-0560

USAFETAC FORM 0-26-5 (OLA) **AVOID PREVIOUS EDITIONS OF THIS FORM AND COVERIT**

**USAFETAC**

## PSYCHROMETRIC SUMMARY

7-72, 73-78

529

PAGE 1 0600-0600

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-70, 72-72

 $\Delta Y$ 

PAGE 2 0500-0200  
HOLDS L.S.

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point													
L.TAL	2.226	.279	.417	.0	7.5	4.7	3.1	1.8	1.3	1.4	.8	.5	.6	.4	.3	.1	.1		930		930	430												
																			930		930													

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0.26.5 (OL. A)

**USAFETAC**

3

425



0901-100

**USAFETAC**  
FORM  
JUL 64  
**0.26-5 (OL A)**  
**REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**

3

**W E A S**

2000

**W E A S**

MAY  
1952

0950-1100

0.26.5 (OL A)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

DAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

7-72, 73-78

44Y

PAGE 2      1200-1400  
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-5 (OLA)

### PSYCHROMETRIC SUMMARY:



S' A' ON

STATION NAME

YEARS

MONTH

1500-1700

HOURS 11-5 P.M.

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

1500-1700

HOURS (L, S, T, I)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
34/ 33																					19
32/ 31																					21
30/ 29																					7
28/ 27																					6
26/ 25																					12
24/ 23																					4
22/ 21																					2
TOTAL		.1	1.9	5.2	6.5	9.4	13.3	13.3	9.8	.4	7.2	5.7	4.3	3.0	2.1	1.6	7.5		929		929
																			929		929

USAFETAC  
FORM  
JUL 64  
0 26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

4

PAY  
MONTH

5415

STATION NAME

YEARS

MONTE

1500-2000

NOIRS 1.5.7.1

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## 3

7-72, 73-78

 $\Delta Y$ 

HOURS (E, S, T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## A

57A-05

MARCH AFP CA/RIVERSIDE

STATION NAME

7-72, 73-76

YEARS

24Y

4347

PAGE 1 2100-2500

2100-2500

HOURS L. S. 9.1

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

7-71, 73-78

DAY

PAGE 1

-11-

45285 1 5 \*

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL			
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
104/103																	.0	.3	3	3																
102/101																	.0	.6	3	3																
100/ 99																	.2	.8	18	18																
98/ 97																	.2	.8	42	42																
96/ 95																	.4	.3	30	30																
94/ 93													.0	.0	.1	.1	.3	.3	34	34																
92/ 91													.1	.1	.1	.1	.4	.4	52	52																
90/ 89												.1	.1	.1	.1	.2	.3	.6	68	68																
88/ 87										.1	.1	.4	.2	.1	.1	.3	.3	104	104																	
86/ 85									.0	.2	.4	.2	.2	.3	.1	.2	.1	111	111																	
84/ 83								.0	.2	.3	.2	.2	.3	.2	.1	.2	.2	134	134																	
82/ 81								.1	.3	.5	.4	.2	.1	.1	.2	.5	.5	149	149																	
80/ 79						.0	.1	.4	.6	.3	.3	.2	.1	.1	.1			161	161																	
78/ 77						.0	.4	.9	.4	.3	.2	.2	.1	.1	.0			198	198																	
76/ 75					.0	.4	.7	.6	.4	.3	.1	.1	.1	.0				204	204																	
74/ 73					.1	.6	1.2	.6	.3	.3	.1	.1	.1	.0				247	247																	
72/ 71					.0	.5	.9	.8	.4	.3	.1	.1	.1	.0				242	242	1																
70/ 69					.4	.8	1.0	.7	.5	.2	.1	.1	.1					290	290	4																
68/ 67				.1	.6	1.0	.8	.6	.3	.1	.1	.1	.0					265	265	24																
66/ 65			.0	.4	.9	1.3	.9	.4	.2	.1	.0							316	316	116																
64/ 63			.1	1.0	1.3	1.1	.6	.3	.2		.0							345	345	258																
62/ 61		.0	.5	1.3	1.2	.9	.5	.2	.1	.1	.0							396	396	461																
60/ 59		.3	2.0	2.2	1.5	.7	.4	.2	.0	.0								540	540	566																
58/ 57		.0	1.7	3.2	2.3	1.1	.3	.4	.1	.0								667	667	675																
56/ 55		.2	3.4	3.7	1.9	.8	.3	.1	.1									779	779	974																
54/ 53		.3	3.5	3.7	1.8	.3	.2	.1	.0									745	745	1144																
52/ 51		.1	2.6	2.8	1.0	.3	.1	.0	.0									515	515	1014																
50/ 49		.1	1.3	2.3	.4	.1	.1											317	317	800																
48/ 47		.1	1.1	1.0	.2	.1		.0										189	189	576																
46/ 45		.0	1.0	.5	.2	.1	.0											137	137	382																
44/ 43		.0	.4	.3	.1	.0												66	66	208																
42/ 41		.0	.2	.2	.0													36	36	116																
40/ 39		.0	.2	.0														22	22	62																
38/ 37		.0	.1	.0														10	10	31																
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																$\leq 0$ F			$\leq 32$ F			$\geq 67$ F			$\geq 73$ F			$\geq 80$ F			$\geq 93$ F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

0-26 5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

3

**2**

 $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$ 

2000

5"AS 24 NAME

YEARS

454

PAGE 4

ALL

NOV 5 1954

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

7-71, 73-75

$\frac{1}{2}$

PAGE 1

0000-0200

[illegible]

USAFETAC FORM 0.26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

VFARS

7-70, 73-78

454

0300-0500

22.05 - 5.

USAFETAC FORM 0.26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/VAC

## PSYCHROMETRIC SUMMARY

23113 AMPCB AFB CA/RIVERSIDE

7-7, 73-76

JUL

PAGE 1

0600-0600

Temp °C	WET BULB TEMPERATURE DEPRESSION (°F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Po	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
92/ 91																																.1	1	1		
90/ 89																																.1	1	1		
88/ 87																											.1							1	1	
86/ 85																									.2							.1	2	3		
84/ 83																				.1				.1	.3	.1							6	6		
82/ 81																	.1					.4		.1	.2		.2						8	8		
80/ 79																.1	.3	.2	.3	.2													11	11		
78/ 77												.1	.6	.4	.7	.7								.2									24	24		
76/ 75									.1	.4	.7	.3	.8	.4	.2																		27	27		
74/ 73								.1	.3	.3	.1	.2	.4	.4	.1																		19	19		
72/ 71								.1	.5	1.0	.4	.8	.2	.1																			33	33		
70/ 69							.1	.9	.7	1.0	.4	.9									.1												37	37		
68/ 67							.4	.9	.9	.9	.4	.3																					35	35		
66/ 65					.4	1.4	1.0	1.2	.8	.4	.2																						55	55	4	
64/ 63				.7	2.2	1.3	1.1	.1	.2																								51	51	21	
62/ 61			.8	1.7	3.1	2.3	1.1	.3	.2			.1																					87	87	43	
60/ 59		.2	3.3	4.7	4.8	1.1	.4																										131	131	54	18
58/ 57		.1	6.4	5.9	1.8	.4	.2																										134	134	148	43
56/ 55		.9	6.4	5.0	1.0	.1				.1																							138	138	219	96
54/ 53	1.4	3.4	1.3	.8																													67	67	194	174
52/ 51	.6	1.0	.4																														18	18	118	155
50/ 49	.1	.6	.3																														9	9	46	124
48/ 47			.2																														2	2	17	105
46/ 45		.1																															1	1	2	70
44/ 43		.1																															1	1	3	46
42/ 41																																			1	21
40/ 39																																				23
38/ 37																																				8
36/ 35																																				0
34/ 33																																				4
32/ 31																																				2
30/ 29																																				1
28/ 27																																				1
26/ 25																																				2
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total															
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F															
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 100-10 (OL A) 0-26-5 (OL A) JUL 64

USAFETAC

DATA PROCESSING BRANCH  
USAF ETAC  
AIP EATHER SERVICE/MAC

23116 PARSONS AFB, CALIFORNIA  
STATE

7-7, 72-70

VIAS

Page 2 0000-0000

0630-0300

Temp F	WET BULB TEMPERATURE DEPRESSION F.																															TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb
TOTAL	3.322	2.222	2.116	4	8.9	6.7	5.0	4.4	3.1	2.6	2.0	1.2	.9	.7	.1																		900	900	900

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4661532	62264	69.219	843	900	$\leq 0^\circ F$	$\leq 32^\circ F$	$\leq 67^\circ F$	$\leq 73^\circ F$	$\leq 80^\circ F$	$\leq 93^\circ F$	
Dry Bulb	3491345	55641	61.817	564	900			20.6	10.1	2.7		90
Wet Bulb	2756852	49692	55.213	528	900							90
Dew Point	2287355	45137	50.215	127	900			6				90

USAFETAC	FORM JUL 64	0.26.5 (OL A)	REPTED PROXIMA TECHNIQUES OF THIS FORM ARE OBSOLETE
<p>1. <b>NAME OF THE PROJECT</b></p> <p>2. <b>NAME OF THE PERSONNEL</b></p> <p>3. <b>NAME OF THE ORGANIZATION</b></p> <p>4. <b>NAME OF THE LOCATION</b></p> <p>5. <b>NAME OF THE DATE</b></p> <p>6. <b>NAME OF THE TIME</b></p> <p>7. <b>NAME OF THE PLACE</b></p> <p>8. <b>NAME OF THE METHOD</b></p> <p>9. <b>NAME OF THE RESULT</b></p> <p>10. <b>NAME OF THE CONCLUSION</b></p> <p>11. <b>NAME OF THE RECOMMENDATION</b></p> <p>12. <b>NAME OF THE ACTION</b></p> <p>13. <b>NAME OF THE FOLLOW-UP</b></p> <p>14. <b>NAME OF THE EVALUATION</b></p> <p>15. <b>NAME OF THE REPORT</b></p> <p>16. <b>NAME OF THE SUMMARY</b></p> <p>17. <b>NAME OF THE ABSTRACT</b></p> <p>18. <b>NAME OF THE INDEX</b></p> <p>19. <b>NAME OF THE REFERENCE</b></p> <p>20. <b>NAME OF THE APPENDIX</b></p> <p>21. <b>NAME OF THE GLOSSARY</b></p> <p>22. <b>NAME OF THE BIBLIOGRAPHY</b></p> <p>23. <b>NAME OF THE LIST OF FIGURES</b></p> <p>24. <b>NAME OF THE LIST OF TABLES</b></p> <p>25. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>26. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>27. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>28. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>29. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>30. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>31. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>32. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>33. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>34. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>35. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>36. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>37. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>38. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>39. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>40. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>41. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>42. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>43. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>44. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>45. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>46. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>47. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>48. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>49. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>50. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>51. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>52. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>53. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>54. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>55. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>56. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>57. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>58. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>59. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>60. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>61. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>62. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>63. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>64. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>65. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>66. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>67. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>68. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>69. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>70. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>71. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>72. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>73. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>74. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>75. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>76. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>77. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>78. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>79. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>80. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>81. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>82. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>83. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>84. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>85. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>86. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>87. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>88. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>89. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>90. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>91. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>92. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>93. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>94. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>95. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>96. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>97. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>98. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>99. <b>NAME OF THE LIST OF REFERENCES</b></p> <p>100. <b>NAME OF THE LIST OF REFERENCES</b></p>			

DATA PROCESSING PRAC ON  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23115 MARCH 48 CA/RIVERSIDE

7-7, 73-7c

449

PAGE 1 0950-1100

3

## PSYCHROMETRIC SUMMARY

7-70, 73-76

JUN  
MONTH

0900-1100

HOURS 11.5. T-1

[illegible]

USAFETAC FOR A 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23117      MARCH AFB CA/RIVERSIDE  
STATION      STATION NAME

7-70, 73-76

JUN  
MONTH

PAGE 2      1200-1400  
HOURS (L. S. T.)



3

## PSYCHROMETRIC SUMMARY

23110  
STATE

MARCY AFH CA/RIVERSIDE  
STATION NAME

7-72; 73-78

YEARS

June  
MONTH

**MONTI**

PAGE 2

1500-1700

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

USAFETAC FORM 0.26-5 (OL A) JUL 64 - REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

10

144

54

STATION NAME

YEARS

MONITOR

1500-2000

MOUSE 11 5 0 1

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

10 1/2

1800-2000

HOURS (L. S. T.)

USAFETAC FORM 0-2C-3 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

VEAR

just

NO. 185

FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE CANCELLED

USAFETAC

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23112 MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

7-7, 73-78

YEARS

PAGE 1

JULY

ALL

HOURS 115

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																						
108/107																																.0	1	1																								
106/105																																.2	2	2																								
104/103																																.3	15	18																								
102/101																																.3	25	25																								
100/ 99																																.1	61	51																								
98/ 97																																.1	60	60																								
96/ 95																										.0	.0	.2	.9	.9	.9	81	81																									
94/ 93																						.0	.1	.1	.3	.3	.9	.9	.9	.9	.9	126	126																									
92/ 91																					.0	.2	.2	.4	.4	.3	.4	.6	.6	.6	.6	138	138																									
90/ 89																			.0	.2	.2	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	156	156																									
88/ 87																			.0	.2	.2	.5	.4	.4	.4	.2	.1	.1	.1	.1	.1	171	171																									
86/ 85																	.0	.2	.5	.7	.7	.5	.3	.3	.1	.1	.1	.1	.1	.1	.1	215	215																									
84/ 83															.0	.1	.4	.6	.4	.5	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	191	191																									
82/ 81											.0	.2	.6	.6	.5	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	205	205																									
80/ 79										.1	.4	1.1	.7	.6	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	251	251																									
78/ 77									.1	1.0	.9	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	234																									
76/ 75						.0	.1	.6	1.3	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	276	276																									
74/ 73				.0	.1	.3	.9	1.3	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	253	253																									
72/ 71					.1	.9	1.3	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	259	269	9																								
70/ 69			.1	.7	1.4	1.1	.5	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	306	306	56																								
68/ 67			.0	.3	1.5	1.5	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	352	352	152																								
66/ 65			.1	1.0	1.6	1.5	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	367	367	364																								
64/ 63			.5	2.2	1.7	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	418	418	576																								
62/ 61		.3	1.2	2.7	1.4	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	481	481	752																								
60/ 59	.0	1.4	3.8	2.5	.9	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	661	661	950																								
58/ 57	.1	2.9	4.6	1.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	711	711	1050																								
56/ 55	.3	2.9	3.6	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	585	585	1196																								
54/ 53	.3	2.0	1.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	342	342	961																								
52/ 51	.1	.7	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	123	123	618																								
50/ 49	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	64	64	291																								
48/ 47		.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	21	131																								
46/ 45		.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	13	57																								
44/ 43		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	9	21																								
42/ 41		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5	12																								
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma^2$			No. Obs.			Mean No. of Hours with Temperature										Total																																
Rel. Hum.																$\leq 0$ F										$\leq 32$ F					$\leq 67$ F					$\leq 73$ F					$\leq 80$ F					$\leq 93$ F					Total							
Dry Bulb																																																										
Wet Bulb																																																										
Dew Point																																																										

## PSYCHROMETRIC SUMMARY

7-7, 73-78

ju.

PAGE 2

ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
40/ 39																					4	212													
38/ 37																						147													
36/ 35																						91													
34/ 33																						43													
32/ 31																						28													
30/ 29																						20													
28/ 27																						6													
26/ 25																						8													
TOTAL	.611	2.17	2.12	2.1	8.8	7.6	6.3	6.6	5.2	3.6	3.5	3.2	3.0	2.3	1.7	1.7	5.2		7200	7200	7200	7200													
																			7200		7200														

## PSYCHROMETRIC SUMMARY

23116	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

7-72, 73-75

100

PAGE 1 0000-0200

[illegible]

3

## VFABG

7-72, 73-78

Page 1

0550-0300

FORM  
JUL 64

USAFETAC	FORM JUL 64	0.26.5 (C: A)
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## 3

7-7, 73-75

Page 1      3500-0.00

0.26.5 (OL A)

0.26.5 (OL. A)



3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

20117 MARCH AFB CA/RIVERSIDE

7-7, 73-76

JUL

PAGE 1 0900-1,00

Time F	WET BULB TEMPERATURE DEPRESSION °F																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
104/103																																.1	1	1			
102/101																																.2	2	2			
100/99																																.1	.5	4	4		
98/97																																.7	2	1.2	17	17	
96/95																										.3	.3	.5	.5	1.4		34	34				
94/93																										.1	.3	1.0	1.2	.4	1.1	38	38				
92/91																										.1	.3	1.6	1.4	1.3	2.0	.5	1.1	80	80		
90/89																										.4	.9	2.2	1.9	2.0	1.1	.2	.4	85	85		
88/87																.1	.3	.6	1.3	2.3	1.0	1.3	1.0								.2		83	83			
86/85																.1	.2	.5	1.7	2.2	1.4	.5	.3	.2									90	90			
84/83																.2	.2	2.0	2.7	2.6	1.6	1.1	.4										103	103			
82/81																.1	1.7	1.5	2.2	1.7	1.3	.3									.1		84	84			
80/79																.1	.2	1.9	2.2	.2	.6	.2	.1										61	61			
78/77																.1	.2	1.8	2.0	1.6	.5	.5	.1										65	65			
76/75					.1	.1										.9	1.9	1.5	.6	.4	.1												53	53			
74/73																.4	1.1	1.5	.8	.2													37	37	4		
72/71						.3	.4	1.5	.5	.2																							28	28	21		
70/69						.2	1.2	.5	.6	.1																							25	25	66		
68/67					.1	.5	.4	.1	.1																								12	12	129		
66/65					.1	.6	.2	.5																									14	14	220		
64/63					.2	.2	.1																										5	5	201		
62/61					.1	.1	.2																										4	4	165		
60/59																																	1	1	69		
58/57																																			41		
56/55																																			17		
54/53																																			2		
52/51																																					
50/49																																					
48/47																																					
46/45																																					
44/43																																					
42/41																																					
40/39																																					
38/37																																					
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F																
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0 26-5 (01 A) REPRODUCED BY THE AIR FORCE

USAF ETAC

JUL 64

USAF ETAC

## PSYCHROMETRIC SUMMARY

7-70, 73-78

JUL  
MONTH

PAGE 2      0900-1100  
HOURS (L.S.T.)

USAFETYAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIEW  
EDITIONS OF THIS FORM ARE CLASSIFIED

## PSYCHROMETRIC SUMMARY

7-71, 73-78

JUL  
MON

PAGE 1 1200-1400  
HOURS - 5 -

3

## PSYCHROMETRIC SUMMARY

JUL

S A C N

STAT ON NAME

YEARS

VEN\*

1200-1400

HOURS 10-5

USAFETAC FORM 0.26-5 (OLA)  
III, A4  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR -LATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23119 MARCH APR CA/RIVERSIDE  
STATION NAME

7-70, 73-78  
YEARS

JUL  
MONTH

PAGE 1 1500-1700  
HOURS L.S.T.

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL Dry Bulb Wet Bulb Dew Point
	C	1-2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31																	
106/105																		.2	2	2															
104/103																		.4	4	4															
102/101																		1.1	11	10															
100/ 99																	.3	.2	1.0	20	20														
98/ 97																.5	.0	.8	2.7	44	44														
96/ 95															.6	1.1	1.5	.9	1.7	57	57														
94/ 93												.1	.4	2.4	3.3	3.0	1.3	1.0	113	113															
92/ 91										.1	.1	.9	1.9	3.0	2.0	1.7	.0	.0	110	110															
90/ 89									.1	.4	1.9	4.4	4.7	2.2	.8	.4	.2	141	141																
88/ 87								.3	.6	4.0	3.2	2.4	1.1	.2	.2			113	113																
86/ 85								1.1	.7	2.2	2.0	.9	.1	.1	.1			94	94																
84/ 83							.2	2.0	2.0	2.7	1.2	.3	.1					90	90																
82/ 81							.3	1.0	2.7	2.0	.5	.1	.1					63	63																
80/ 79							.1	.1	1.1	1.1	.9	.2	.1					33	33																
78/ 77							.1	.3	.5	.6	.1							16	16																
76/ 75				.1		.1	.4		.2	.3	.1							10	10																
74/ 73				.1														6	6																
72/ 71		.1			.2			.1										4	4																
70/ 69																																	131	3	
68/ 67																																	204	2	
66/ 65																																	228	5	
64/ 63																																	144	23	
62/ 61																																	79	52	
60/ 59																																	28	122	
58/ 57																																	7	120	
56/ 55																																	1	157	
54/ 53																																		144	
52/ 51																																		97	
50/ 49																																		66	
48/ 47																																		39	
46/ 45																																		35	
44/ 43																																		20	
42/ 41																																		22	
40/ 39																																		15	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature							Total																						
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

10L  
10N  
1-1700

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

YEARS \_\_\_\_\_ JUL \_\_\_\_\_  
MONTH \_\_\_\_\_  
PAGE 2 1500-1,00  
HOURS (L. S. T.) \_\_\_\_\_

2311, MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

7-74, 73-78

JUL  
MONTH

PAGE 2 1500-1,00  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23119	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

7-70, 73-73

JUL

57A55

STATION NAME

VF 485

MON

PAGE 1

1800-2600

HOURS (L. S. T.)

1  
3DATA PROCESSING BRANCH  
USAF FTAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23113 MARCH AFB CA/RIVERSIDE

7-70, 73-70

YEARS

JUL  
MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
84/ 83													.4																			1	1			
82/ 81										.1			.4																			5	5			
80/ 79								.2		.3	.3	.5	.2	.2																	17	17				
78/ 77							.1	.4	2.0	1.0	.4	.4	.3																		44	44				
76/ 75					.3	.9	2.4	2.7	1.4	1.3	.3																				86	80				
74/ 73		.1	.1		1.0	3.3	4.2	3.4	1.0	.5	.1																				110	110				
72/ 71		.1		1.0	3.3	4.2	3.4	1.0	.1	.4																					134	134	1			
70/ 69			.8	2.0	5.5	4.2	2.2	1.0	.2	.2																					149	149	2	3		
68/ 67			1.0	4.3	6.2	1.9	.6	.4		.1																					136	136	8			
66/ 65			1.3	5.0	3.1	1.1	.2																								105	105	50	1		
64/ 63		.4	1.6	3.4	1.0	.5	.1																								66	65	142	13		
62/ 61		.3	1.3	2.0	.8	.1	.1																								48	48	238	44		
60/ 59			1.3	1.0																											21	21	245	79		
58/ 57			.6	.2																											8	8	130	155		
56/ 55																																		01	190	
54/ 53																																	32	155		
52/ 51																																	3	99		
50/ 49																																2	75			
48/ 47																																			60	
46/ 45																																			18	
44/ 43																																			18	
42/ 41																																			3	
40/ 39																																			12	
38/ 37																																			2	
36/ 35																																			2	
34/ 33																																			1	
TOTAL		1.0	8.5	19.0	21.2	16.5	12.3	1.0	4.1	.3	1.9	.5	.2																			930	930	930	930	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																													
Rel. Hum.	3453894	55298	59.5	13.362	930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	4516808	64658	69.5	4.803	930				68.2	26.3	1.5		93																							
Wet Bulb	3391975	56095	60.3	3.022	930				1.1				93																							
Dew Point	2739908	50282	54.1	4.791	930				.3				93																							



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23112 MAFCH AFB CA/RIVERSIDE

7-70, 73-78

YEARS

JUL

MONTH

PAGE 1

ALL

HOURS U.S.

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	.2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
108/107																		.0	2	2															
106/105																		.1	6	6															
104/103																	.0	.2	13	13															
102/101																	.0	.5	40	40															
100/ 99															.0	.1	.1	.7	72	72															
98/ 97															.1	.4	.3	.9	126	126															
96/ 95														.3	.5	.8	.4	.7	212	212															
94/ 93												.1	.2	.6	1.0	1.0	.4	.6	291	291															
92/ 91									.0	.0	.2	.7	.8	.9	.7	.2	.3	.3	297	297															
90/ 89									.0	.2	.6	1.1	1.4	.6	.4	.2	.1	.1	357	357															
88/ 87									.1	.4	1.1	1.2	.9	.4	.3	.1	.0	.0	334	334															
86/ 85									.0	.3	1.0	1.2	.9	.5	.2	.1	.0	.0	311	311															
84/ 83						.0	.0	.1	.9	1.3	1.2	.7	.3	.1	.0				347	347															
82/ 81					.0	.0	.1	.7	1.2	1.1	.8	.4	.1	.0					330	330															
80/ 79						.0	.4	.9	1.1	.8	.4	.1	.1						291	291															
78/ 77			.0	.0	.1	.7	1.0	1.0	.5	.3	.1								319	319															
76/ 75			.1	.0	.2	.7	1.5	1.1	.7	.3	.1								337	337	1														
74/ 73		.0	.0	.0	.4	1.3	1.3	1.2	.3	.1	.1								353	353	29														
72/ 71		.1	.1	.3	1.0	1.7	1.2	.5	.2	.1	.0								395	395	134	1													
70/ 69		.0	.3	.7	2.3	1.7	1.3	.4	.1	.0									513	513	388	17													
68/ 67			.5	1.3	2.7	1.3	.6	.2	.0	.0									504	504	723	16													
66/ 65	.0	.1	1.1	2.5	1.5	1.1	.3	.1	.1										501	501	1022	24													
64/ 63		.2	1.5	2.2	.6	.4	.2	.1											398	398	1073	104													
62/ 61		.8	1.8	1.5	.6	.2	.1	.0											375	375	1145	296													
60/ 59	.1	1.5	1.9	.9	.3	.1	.0												353	353	1091	680													
58/ 57	.2	.9	1.2	.6	.2	.0	.0												225	225	855	1126													
56/ 55	.0	.3	.5	.2	.0														64	64	494	1341													
54/ 53	.0	.1	.3	.1	.0														40	40	269	1102													
52/ 51	.0	.0	.1	.0															12	12	140	880													
50/ 49		.0																	2	2	65	660													
48/ 47																						8	458												
46/ 45																						3	266												
44/ 43																								177											
42/ 41																								123											
Element (X)	Σ X <sup>2</sup>	Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

DATA PROCESSING BRANCH  
USAF ETAC  
AIR-FAIRER SERVICE/AC

## PSYCHROMETRIC SUMMARY

2311: MARCH AFB CA/RIVER-SIDE

7-7, 73-78

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PAGE 2

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Temp F	C	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	> 31	TOTAL		TOTAL				
WET BULB TEMPERATURE DEPRESSION (F)																													TOTAL		TOTAL			
D.B. W.B.																													Dry Bulb		Wet Bulb		Dew Point	
40/ 39																														27				
38/ 37																														42				
36/ 35																														21				
34/ 33																														14				
32/ 31																														2				
30/ 29																														1				
28/ 27																														2				
TOTAL		4.1	7.4	10.3	9.7	8.8	7.5	7.0	6.0	5.8	5.0	4.3	3.0	4.0	3.9	1.9	4.0										7440	7440	7440	7440				
																												7440	7440					

USAF F-16C 0.26-5 (OL A) FORM 001 A

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## PSYCHROMETRIC SUMMARY

24119 - MARCH 1970 CA/RIVERSIDE  
STATION NAME

7-7 , 73-75

VFAPS

46.4%

PAGE : 0000-0400

0 26 5 (OL A) REEDED PIPERIN & CANTHARIDI CIP TONS PER TON ARE (CANTHARIDE)

**USAFETAC**

3

DATA PROCESSING BRANCH  
USAF ATAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23112 MARCH APR 74/RIVERSIDE

7-7, 13-78

YEARS

PAGE 1

3300-0500

Temp F	WET BULB TEMPERATURE DEPRESSION °																																	TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
84/ 83																																		3	3			
82/ 81														.1																				1	1			
80/ 79														.2																				2	2			
78/ 77														.3	.1	.1																		5	5			
75/ 75										.4	.3																							7	7			
74/ 73						.2	.3	.4	.4	.1																								12	12			
72/ 71				.3	1.2	.2	.5	.5	.5	.5																								35	35			
70/ 69			.3	1.1	1.8	.8	1.5	1.4	.3	.3	.1																							66	66			
68/ 67			.3	2.3	2.5	2.2	1.4	1.3	.3																									95	95	24	4	
66/ 65			.4	2.0	1.8	2.4	2.2	.6	.1																									92	92	30	10	
64/ 63			.4	1.1	2.5	1.7	.5	.6	.4	.1	.1																							141	141	57	32	
62/ 61		.2	4.3	3.2	2.5	1.2	1.1	.2	.2	.3																								124	124	110	60	
60/ 59		.1	2.7	4.2	2.7	1.9	.5	.2	.1																									120	120	132	78	
58/ 57		.1	4.1	4.4	1.4	1.4	.4	.1	.2																									113	113	145	112	
56/ 55		.2	2.6	3.2	1.1	1.3	.1	.1																										80	80	101	97	
54/ 53			1.1	.9	.3	.1	.1	.1																										24	24	115	117	
52/ 51				.2	.5	.1																												8	8	72	117	
50/ 49																																		2	2	37	97	
48/ 47																																					25	57
46/ 45																																					10	54
44/ 43																																					5	29
42/ 41																																						22
40/ 39																																						12
38/ 37																																						6
36/ 35																																						5
34/ 33																																						4
32/ 31																																						2
30/ 29																																						6
28/ 27																																						2
TOTAL		.619	.927	.416	.414	.5	.9	.2	.5	.9	.2	.7	.8	.5																					930	930		930

USAF ATAC FORM 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23119 4. WCH AFB CA/RIVERSIDE

7-7, 73-75

AUG

PAGE 1

0500-0100

Temp F	NET BULB TEMPERATURE DEPRESSION F.																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
88/ 87																						.2				.2							4	4			
86/ 85																					.2	.1			.2	.1						5	6				
84/ 83													.4	.3	.2					.1	.5					.1					15	16					
82/ 81													.1	.4	.4					.2	.2	.2				.1					14	16					
80/ 79										.5	.3	.0	.4	.3	.4	.2				.4	.2					.1					24	26					
78/ 77							.1	.8	1.0	1.0	.6	.8	.1	.2																	42	42					
76/ 75					.2	1.2	1.1	.9	.8	1.0	.9									.1											55	55					
74/ 73			.1	.8	1.4	1.5	1.3	.3	.6	.2	.2				.2																67	64					
72/ 71		.1	.9	1.0	2.2	1.5	.7	.9	.1	.2																					71	71	5				
70/ 69	.3	1.2	1.6	1.6	1.2	.9	1.0	.3	.1	.1																					79	79	17				
68/ 67	.5	1.5	1.9	2.3	1.3	.3	1.1	.2																							90	90	47	7			
66/ 65	.5	2.7	2.0	2.0	1.2	.2	.1																								62	62	75	24			
64/ 63	2.7	2.5	2.4	1.6	.4	.3			.1	.1																					96	96	96	41			
62/ 61	.3	2.5	3.2	1.5	1.3	1.0	.1	.2	.2																						96	96	143	76			
60/ 59	.4	2.5	2.0	2.5	.6	.5	.2																								87	82	135	100			
58/ 57	.1	2.7	1.4	.9	.3	.2																									52	52	144	107			
56/ 55	.5	1.3	1.1	.0	.3		.1																								35	35	119	123			
54/ 53	.2	.4	.5	.2	.1		.1																								17	17	69	106			
52/ 51	.1		.1																												7	2	35	86			
50/ 49																															1	1	28	71			
48/ 47																																		10	57		
46/ 45																																	4	43			
44/ 43																																			33		
42/ 41																																	1	19			
40/ 39																																			12		
38/ 37																																			7		
36/ 35																																			3		
34/ 33																																			1		
32/ 31																																			3		
30/ 29																																			2		
28/ 27																																			7		
TOTAL	1.4	13.5	16.7	15.6	14.3	11.6	8.2	6.6	5.1	4.0	2.3	.8	.6	.4																		930	930	930			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	4287418		60790		65.4		18,380		930		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total														
Dry Bulb	4240951		62423		67.1		7,411		930						46.7		22.7		5.8				93														
Wet Bulb	3294205		55159		59.3		4,941		930						7.0								93														
Dew Point	2747650		50154		53.9		6,795		930				1.0		.7								93														

USAFETAC FORM 0-26.5 (OL A) REPRODUCED BY THE AIR FORCE AND NAVY

USAFETAC

3

VEASS

296

425

USAFETAC FORM 0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH  
USAF ETAC  
AIR MAILER SERVICE/MAC

23119 MARCH AF- CA/RIVERSIDE  
STATION NAME

7-76, 73-75

405.

PAGE 2

0900-1100  
NOV 25 1964

Temp F.	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point						
38/ 37																														15					
36/ 35																														21					
34/ 33																														12					
32/ 31																														10					
30/ 29																														10					
28/ 27																														3					
TOTAL	.4	1.0	3.1	4.7	7.4	7.4	8.0	8.3	5.5	2.9	1.4	7.5	6.5	5.9	5.4	2.4											930	930		930					

3

2000

ADD  
MONTH

YEARS

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64



## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

## PSYCHROMETRIC SUMMARY

23110      MARCH AFR CA/RIVERSIDE  
STATION      STATION NAME

7-70, 73-78

YEARS

AUG  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2UG  
MCNTN

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

AUG

WORSLEY, S.

USAFETAC FORM 0-26-5 (01 A) BASIC MARK IS EDITION OF THIS FORM ARE OBSOLETE



3

## YEARS

7-7, 73-78

AL  
MCN

PAGE 1 2100-2500  
NOV 85 5 21

REVISED PHYSICS EDUCATION OF THE FUTURE AND OBSERVATION

USAFETAC FORM 0.26-5 (OL A)  
JUL 64

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

YEARS

7-73, 75-78

26.

PAGE 1

ALL

OLAS S. T.

[illegible]

0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

DATA PROCESSING BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/TAO

23117                      MARCH AFR CA/RIVERSIDE  
STATION                      STATION

7-71, 73-78

16

PAGE 4

ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
42/ 41																						1	164												
40/ 39																							100												
38/ 37																							77												
36/ 35																							71												
34/ 33																							41												
32/ 31																							30												
30/ 29																							32												
28/ 27																							14												
26/ 25																							5												
24/ 23																							1												
TOTAL	5.5	10.9	10.3	9.3	8.7	7.3	6.8	6.0	5.5	5.5	4.9	4.1	3.8	3.1	2.1	1.5	1		7431			7431													
																		7431			7431														

REVIEWED POTENTIALS (CONTINUOUS OF THIS FORM ARE OBSOLETE)

0.26.5 (01 A)

USAFETAC



3

YEARS

4-7, 73-77

SEP

PAGE 1 UCDC-0200  
MOLES 1 5 7 1

USAFETAC FORM 0.26-5 (O.L.A.)



3

DATA PROCESSING TRACON  
USAF ETAC  
AIR WEATHER SERVICE/MAF

## PSYCHROMETRIC SUMMARY

3110 MARCH 1973 CA/NIVERSIDE 6-7, 73-77

SEP

PAGE 1 0300-0000

Temp F	WET BULB TEMPERATURE DEPRESSION F																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
80/ 79									.1																		
78/ 77									.2																		
76/ 75								.1						.2													
74/ 73		.1	.1																								
72/ 71						.1	.1	.1	.1	.1																	
70/ 69		.1				.7	.6	.7	.7																		
68/ 67		.4	.1	1.1	.6	.3	.9	1.0	.3	.1																	
66/ 65	.1	.6	1.2	1.1	.4	.9	1.0	.2	.3	.2																	
64/ 63	.7	1.4	2.9	1.9	1.3	.9	.3	.2	.2																		
62/ 61	1.0	3.9	2.9	2.0	1.2	1.0	.2	.2	.3	.1																	
60/ 59	.3	7.7	3.3	3.3	.9	.3	.6	.7	.2																		
58/ 57	.0	5.9	2.3	1.0	.0	.0		.0																			
56/ 55		4.6	3.1	1.0	.0	.0	.3	.2	.1																		
54/ 53	.7	3.0	4.3	.4	.1	.1		.1																			
52/ 51		3.1	1.4	.2	.2	.1	.1	.2																			
50/ 49		.0	.7		.3		.3																				
48/ 47		.6	.1	.2	.2		.1																				
46/ 45		.1	.1	.2			.1																				
44/ 43			.1																								
42/ 41																											
40/ 39																											
38/ 37																											
36/ 35																											
34/ 33																											
32/ 31																											
30/ 29																											
28/ 27																											
26/ 25																											
24/ 23																											
22/ 21																											
20/ 19																											
18/ 17																											
16/ 15																											
12/ 11																											
Elements (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma^2$		No. Obs.		Mean No. of Hours with Temperature										Total						
Ref. Num.											$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$											
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0 26 5 (01 A)  
REPLACES FORM 0 26 5 (01 A)  
10-64

3

## PSYCHROMETRIC SUMMARY

23119	MARCH AFR CA/RIVERSIDE
STATION	STATION NAME

56-70, 73-77

YEARS

CEP

MONTH

PAGE 2

0300-0500  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

66-72, 73-77

ΣΕΡ

PAGE 1

0600-0200  
HOURS (L-S-T)

FORM 0-26-5 (Q1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

SLY

PAGE 2

0000-0000  
HOURS 11.5.71

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

3

51-2

YEARS

0590-1100

HOURS L.S. 1

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-5 (OLA)

3

10

SEP  
MONTH

4695 IL. S. T.

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23119 MARC4 AFB CA/RIVERSIDE

65-7, 73-77

542

PAGE 1 1200-1400  
MO: 85 1 5 7

[illegible]0.26.5 (01 A) **REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE** O&M

**USAFETAC**

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/NAO

## YEARS

23110	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

65-72, 73-77

220

PAGE 2

1200-1400  
HOURS 12.5.7.

USAFETAC FORM 0.26-5 (OLA)  
N11 44  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

524

PAGE 1      1500-1700  
HOURS : 5 - 7

[illegible]

23119 MARCH AFB CA/RIVERSIDE

65-7, 73-77

SEP

PAGE 2

1500-1700

NO. 5

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point											
34/ 33																								11										
32/ 31																								18										
30/ 29																								12										
28/ 27																								8										
26/ 25																								4										
24/ 23																								1										
22/ 21																								2										
TOTAL	.9	1.8	2.4	4.2	7.4	8.0	9.9	8.6	6.3	5.1	7.6	7.6	5.0	4.6	4.0	10.9				900		900	900											
																				900		900												

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

YEARS

45-72, 73-77

525

PAGE 1      1300-200  
HQ-B5      5 7

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

✓ 155

66-76, 73-77

225

PAGE 2 1800-2000  
-CLAS - S. 1.

USAFETAC FORM 0-26.5 (OL. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 84

### PSYCHROMETRIC SUMMARY

55-7, 73-77

PAGE 1 2100-2500

[illegible][illegible]

0.26.5 (OL A)

USAFETAC

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

2311- MARCH 1965 CA/RIVERSIDE

24-7, 73-77

200

PAGE 2 2100-2500

[illegible]



3

4445

6-7, 73-77

324

DATE

ALL

**USAFETAC**

USAFETAC

3

1

YEARS

SEP

MONT

PAGE 4

ALL

NOV 15 1964

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE  
STATION STATION NAME

6-70, 73-77

YEARS

MCT

MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
74/ 73							.1												2	2				
72/ 71												.1	.1			.1			2	2				
70/ 69						.1						.1							2	2				
68/ 67				.2	.1					.1	.1								5	5				
66/ 65					.2	.3	.5		.1	.1	.1		.2						14	14				
64/ 63	.3		.2	.8	.5	.3		.1	.1	.2	.2	.5		.2					31	31	4	3		
62/ 61	.3	.9	.4	1.0	.3	.8	.2	.3	.1	.2	.2	.5	.4						46	46	9	6		
60/ 59	.1	3.7	3.2	1.5	1.0	1.1	.9	.6	.4		.5								121	121	12	6		
58/ 57	1.0	5.1	4.1	.9	.9	1.2	.5	.3	.2	.3	.2								136	136	77	36		
56/ 55	.1	4.2	4.0	1.4	2.0	1.3	.5	.5	.4	.5									140	140	101	51		
54/ 53	.2	4.4	3.8	1.0	.4	.5	.8	.6	.4	.1									114	114	101	87		
52/ 51	.3	5.6	1.7	.8	.4	.4	1.3	.5	.3	.1									107	107	101	83		
50/ 49	.2	3.4	2.9	.6	.5	.3	.3	.1											80	80	132	96		
48/ 47		2.3	1.7	.3	.4	1.3	.4	.3	.1										64	64	93	97		
46/ 45		1.4	.3	.2	.8	.4	.2												31	31	84	60		
44/ 43		.9	.2	.4	.2	.3		.1											20	20	54	57		
42/ 41		.5	.1	.1			.1												8	8	48	57		
40/ 39			.2	.1	.1														4	4	46	41		
38/ 37					.2														2	2	38	28		
36/ 35																					16	24		
34/ 33																					7	20		
32/ 31																					4	15		
30/ 29																					2	24		
28/ 27																						22		
26/ 25																						22		
24/ 23																						17		
22/ 21																						15		
20/ 19																						6		
18/ 17																						9		
16/ 15																						11		
14/ 13																						9		
12/ 11																						9		
10/ 9																						10		
8/ 7																						4		
Element (X)	Σ x <sup>2</sup>	Σ x	Σ	Σ x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAF

### PSYCHROMETRIC SUMMARY.

23110      MARCH AFB CA/RIVERSIDE  
S.A. ON      STATION NAME

66-70, 73-77

195

PAGE 2

0000-0200

HOURS	\$	%
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3

## PSYCHROMETRIC SUMMARY

66-70, 73-77

50

YEARS

PAGE 2

0300-0500

HOURS : 5.71

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

65-72, 73-77

567

PAGE 1 0600-0600

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

23119	MARCH AFB CA/RIVERSIDE	6-73, 73-77		DOT
STATION	STATION NAME	YEARS		MONTH

PAGE 2      0630-0800  
                      MAR 25 1971

[illegible]

USAFCTAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23110 HARCH AFB CA/RIVERSIDE

6-7, 72-77

CT

PAGE 1

0900-1100  
HOURS L. S. T.

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																																											
95/ 95																		.2	2	2																																																												
94/ 93																	.1	.2	3	3																																																												
92/ 91																	.2	.6	8	8																																																												
90/ 89																.2	1.2	14	14																																																													
88/ 87													.2	.2	.1	.8	1.3	24	24																																																													
86/ 85												.1	.1	.5	.4	.6	1.7	33	33																																																													
84/ 83										.1	.1	.1	.2	.2	.8	1.1	.5	29	29																																																													
82/ 81										.3	.2	1.1	.6	.8	1.3	.5	.8	52	52																																																													
80/ 79									.3	.5	.1	.6	.9	.8	.3	1.1	.1	44	44																																																													
78/ 77							.2	.1	.5	.4	.2	.5	.5	.5	.5	.6		39	39																																																													
76/ 75					.1	.2	.4	.3	.4	.1	.8	1.1	1.2	.3	.6	.3		55	55																																																													
74/ 73			.1		.1	.3	.2	.2	.5	.5	.9	1.1	.6	1.1	.6			61	61																																																													
72/ 71			.1		.3	.5	1.1	.4	.2	.5	.5	.8	.3	.8	.2			54	54																																																													
70/ 69			.1	.4	.4	.8	.8	.6	.8	.6	.6	.2	.5	.1				56	56	1	1																																																											
68/ 67				.2	1.5	1.6	.2	.8	.3	.3	.9	.5	.6	.1				66	66	3	3																																																											
66/ 65			.2	1.7	1.4	1.7	.5	.4	.3	.3	.1	.2						65	65	7	7																																																											
64/ 63	.1	.4	.3	2.0	2.2	.8	.4	.1	.4		.5	.3						75	75	29	1																																																											
62/ 61		.3	1.5	3.3	2.2	.8	.1	.2		.2	.2							82	82	48	5																																																											
60/ 59		1.1	2.3	2.5	.9	.5	.1	.1	.2		.1							72	72	102	19																																																											
58/ 57		1.0	1.6	1.3	.4		.2											42	42	140	26																																																											
56/ 55	.1	1.2	1.2	.3														26	26	177	65																																																											
54/ 53	.1	1.3	.4	.2														19	19	152	80																																																											
52/ 51	.2	.2	.2															6	6	104	84																																																											
50/ 49		.2	.1															3	3	64	96																																																											
48/ 47																				56	62																																																											
46/ 45																				24	38																																																											
44/ 43																				17	45																																																											
42/ 41																				3	36																																																											
40/ 39																				1	32																																																											
38/ 37																					30																																																											
36/ 35																					37																																																											
34/ 33																					48																																																											
32/ 31																					37																																																											
30/ 29																					33																																																											
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature																																																						
Rel. Hum.																										$\leq 0$ F					$\leq 32$ F					$\geq 67$ F					$\geq 73$ F					$\geq 80$ F					$\geq 93$ F					Total																								
Dry Bulb																																																																																
Wet Bulb																																																																																
Dew Point																																																																																

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

FORM 0-26-5 (OL A)

3

## YEARS

66-7, 73-77

767

FACE 2      0900-1100  
NOV 25 1964

USA FETAC  
FC-M  
IN AA  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING FRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23119 MARCH 1FR CA/RIVERSIDE  
STATION STATION NAME

6-7, 73-77

51

PAGE 1 1200-1400  
MOORE, S. S. 1

[illegible]

## PSYCHROMETRIC SUMMARY

54-76, 73-77

707

PAGE 2      1200-1400  
HOURS

[illegible]

USAFETAC FORM 0.26-5 (OL, A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

CT

1560-1700

[illegible]

3

925

45-7., 73-77

48

1500-1700

2005 5

0.26-5 (OL A)

3

44 485

6-7, 73-77

-51-

2455

1500-2000

0107 25912 100 000(00) 10000000 00000000

0.26-5 (OL A)

**USAFETAC**

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

23110	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

6-75, 73-77

LCT

PAGE 2 1600-2000

HOURS: 1 5 7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	DB, W.B.	Dry Bulb	Wet Bulb	Dew Point	
18/ 17																					7	
16/ 15																					18	
14/ 13																					7	
12/ 11																					9	
10/ 9																					2	
8/ 7																					3	
TOTAL	.1	4.1	16.1	19.4	12.2	8.6	6.	5.5	5.1	4.1	4.0	3.9	4.2	2.5	1.2	.6	.1	930	930	930	930	
												</										

REVISED EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OLA)

**USAFETAC**



3

## ACT

YEARS

MONTE

FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

3

## YFABS

66-70, 75-77

281

MONIA

2100-2300

HOURS (L, S, T, J)

USAFETAC FORM 0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## PSYCHROMETRIC SUMMARY

23119	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

c6-7, 73-77

YEARS

567

MONTH

PAGE 4

ALL

HOURS (L, S, ".)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 {OL: A}

FORM 10-67

USAFETAC

3

## 3

$$\frac{4.0 \text{ V}}{405^\circ \text{C}}$$

1000000 020000  
1000000 020000

REVISED PREVIOUS EDITION, OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

**USAFETAC**

3

## YEARS

435

0000-0400

**USAFETAC**  
FORM  
JUL 64  
0.26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MA

## PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE  
STAT ON STAT ON SAME

44-70, 73-77

$$\frac{4.10V}{4.10V}$$

PAGE 1

0300-0500

MCUR5

[illegible]

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

## PSYCHROMETRIC SUMMARY

23112      MARCH AF3 CA/RIVERSIDE  
STA# ON      STATION NAME

26-72, 73-77

465

PAGE 2

0300-0500  
HOURS S. S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

**USAFETAC**



3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23119 MARCH AFB CA/RIVERSIDE

65-7073-77

100V

PAGE 1

0000-0000

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOT L		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79																										.1							1	1		
72/ 71																						.2										2	2			
70/ 69																				.1	.3		.1								5	5				
68/ 67											.1							.1								.1					3	3				
66/ 65													.1					.1		.2	.3		.1							8	8					
64/ 63							.2	.1	.1	.1									.2	.3										10	10					
62/ 61				.1				.1	.1					.4	.1	.4	.3													15	15					
60/ 59		.2			.5	.1	.3	.2	.2	.3	.4	.2																		24	24					
58/ 57	.2	.3	.1	.2	.1	.7	.6	.4	.2	.7	.2																			37	37	10	5			
56/ 55	.3	1.3	1.0	1.0	.3	.7	.4	.4	.0	.3																				58	58	11	6			
54/ 53	.4	2.2	1.2	.0	.3	.2	.7	.3	.0	.3																				62	62	25	11			
52/ 51	.8	3.1	2.3	1.0	.4	.9	.4	.2																						88	88	50	27			
50/ 49	.7	.7	7.3	1.2	1.3	1.1	.3	.3	.1																					91	91	73	45			
48/ 47	.3	3.6	1.9	1.0	1.6	1.4	.7		.2																					96	96	64	49			
46/ 45	1.0	6.9	1.4	1.3	1.4	1.2		.3																						123	123	103	67			
44/ 43	1.2	3.4	1.2	.5	.7	.4	.6																							76	76	121	74			
42/ 41	.2	2.8	1.4	1.1	.8	.3	.1																							61	61	97	66			
40/ 39	.7	1.7	.8	1.3	.0	.2																								47	47	102	64			
38/ 37	.3	1.1	.6	.6	.6	.2																								30	30	84	54			
36/ 35	.6	.9	.2	.2	.1																									15	15	48	49			
34/ 33	.3	1.5	.0	.1	.2	.1																								25	25	40	33			
32/ 31	.2	.8	.3	.4	.1																									17	17	36	53			
30/ 29		.0	.1																											6	6	19	41			
28/ 27																																	9	53		
26/ 25																																	7	45		
24/ 23																																	1	18		
22/ 21																																		30		
20/ 19																																		29		
18/ 17																																		24		
16/ 15																																		17		
14/ 13																																		14		
12/ 11																																		10		
10/ 9																																		4		
8/ 7																																		5		
Element (λ)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total																		
Ref. Hum.	4										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OL A)  
JUL 64

USAFETAC



## PSYCHROMETRIC SUMMARY

6-72, 73-77

PAGE 1 CGJC-1100

[illegible]

REVISIO PERMANENS OF THIS FORM AND CANCELLATION

USAFETAC 102M 0.26.5 (OLAI) 111 A2

3

## 5.

65-75, 73-77

111

0900-1106

$$\frac{0.750 \times 100}{1.25} = 60$$
USAFETAC FORM 0-26.5 (O/LA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23117 MARCH APR CA/RIVERSIDE

-5-7-73-77

PAGE 1

1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION F																																	TOTAL			TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
92/ 91																																.1	1	1					
90/ 89																																.1	.5	5	5				
88/ 87																											.1	.2				2.4	25	25					
86/ 85																										.1	.4	.4	.7	1.4		28	28						
84/ 83																			.2	.1	.1	.6	.3	1.6	1.2						1.2	43	43						
82/ 81																.2		.3	.1	1.4	.4	1.2	1.4	.6							.6	52	52						
80/ 79																.6	.4	.4	1.3	.4	1.2	.9	.1								.1	49	49						
78/ 77							.1						.1	.9	.4	.1	1.6	1.2	.7	2.7	.7											71	71						
76/ 75								.2	.3	.4	.3	.7	1.0	.6	.6	.8	1.1	.1															59	59					
74/ 73									.3	.4	.2	.3	.6	.9	1.0	.9	.9	.6																57	57				
72/ 71									.1	.4	.7	.5	.4	.1	1.6	.7	1.4	.1																59	59				
70/ 69							.1	.1	.9	.8	.6	.4	.8	.7	1.1	1.1																	59	59	1				
68/ 67						.2	.2	.4	.9	.6	.4	.7	.8	.6	.6																			50	50				
66/ 65						.2	.2	1.2	1.6	.1	.1	.4	.3	.9	.4																			50	50	4	1		
64/ 63			.2	.7	1.3	1.1	.8	.1	.3	.1	.7	.7	.2																					56	56	5			
62/ 61		.2	.1	.1	.9	2.0	.8	.6	.3	.1	.3	.3																						52	52	35			
60/ 59		.1	.4	.9	2.1	.9	.6	.6	.7																									57	57	46	5		
58/ 57		.2	.7	.6	1.0	1.1	.3	.1																										36	36	75	2		
56/ 55	.1	.6	.4	.3	1.0	.5	.2	.4			.2																							35	35	138	19		
54/ 53		.4	.3	.3	.4	.2	.7			.2																								24	24	143	20		
52/ 51	.3	.2	.2	.1	.3	.3																												14	14	124	38		
50/ 49		.2	.2	.4	.2		.2																											12	12	108	46		
48/ 47			.2				.1																											3	3	71	40		
46/ 45	.1		.1																															2	2	66	73		
44/ 43																																				48	54		
42/ 41																																			24	24	55		
40/ 39																																				3	55		
38/ 37																																				3	31		
36/ 35																																			2	46			
34/ 33																																					39		
32/ 31																																					48		
30/ 29																																					45		
28/ 27																																					54		
26/ 25																																					58		
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ			Σ		
Rel. Hum.																																							
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (OL A) REVISION 1-64

3

## PSYCHROMETRIC SUMMARY

23110	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

66-71, 73-77

YEARS

$\frac{AUV}{MONT}$

PAGE 2

1200-1400  
HOURS (L. S. +.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

66-72, 73-77

REV  
MON

PAGE 1      1500-1700  
HOURS (L. S. T.)

[illegible]

3

## PSYCHROMETRIC SUMMARY

23116	MARCH AFB CA/RIVERSIDE
STATION	STATION NAME

25-70, 73-77

25

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





3

## YEARS

66-70, 73-77

NiJV

PAGE 2 1800-2000  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0-26 5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

1545

66-7, 73-77

4597

PAGE 2 2100-2500

2.100 = 2.300  
2.300 = 2.300

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS (S) THIS FORM ARE OBSOLETE

### PSYCHROMETRIC SUMMARY

425

544

STATION NAME

YEARS

40

PAGE 1

ALL

— 225 —

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
92/ 91																	.0	1	1																	
90/ 89																	.0	1	8																	
88/ 87												.0		.0	.0		.4	34	34																	
86/ 85												.0	.0	.1	.1	.2	.4	54	54																	
84/ 83											.0	.0	.1	.2	.3	.3	.3	72	72																	
82/ 81									.0	.0	.0	.1	.3	.1	.2	.3	.1	86	86																	
80/ 79										.1	.1	.1	.3	.2	.4	.2	.0	102	102																	
78/ 77					.0			.0	.2	.2	.1	.3	.3	.3	.0	.1		147	147																	
76/ 75						.0	.1	.2	.3	.3	.3	.3	.4	.4	.3	.0		167	167																	
74/ 73						.1	.1	.1	.1	.3	.3	.4	.3	.3	.1			150	150																	
72/ 71				.0	.1	.2	.2	.2	.3	.3	.0	.4	.4	.0				195	195																	
70/ 69				.0	.1	.3	.2	.3	.3	.3	.4	.5	.3					191	191	1																
68/ 67				.1	.3	.3	.4	.3	.2	.4	.4	.2	.4	.1				217	217																	
66/ 65			.0	.1	.2	.5	.5	.2	.4	.3	.3	.0	.3					247	247	6	1															
64/ 63		.0	.1	.3	.6	.5	.4	.3	.4	.4	.5	.6	.1					308	308	20																
62/ 61		.2	.2	.2	.8	.8	.5	.3	.5	.3	.5	.3	.0					325	325	79																
60/ 59	.1	.2	.7	.9	.9	.0	.5	.4	.4	.4	.4	.1						407	407	153	19															
58/ 57	.4	.7	.9	.9	.8	.7	.5	.3	.4	.4	.1							447	447	274	66															
56/ 55	.1	1.2	1.5	1.0	.8	.0	.5	.4	.4	.2	.1							486	486	447	118															
54/ 53	.5	2.1	1.5	1.1	.4	.5	.7	.4	.3	.2								558	558	630	188															
52/ 51	.0	2.1	1.9	.9	.7	.0	.5	.4	.2	.1								586	586	754	340															
50/ 49	.4	2.1	1.7	.9	.5	.0	.5	.3	.2									542	542	759	450															
48/ 47	.2	2.4	1.4	.9	.0	.7	.3	.1	.1									479	479	708	467															
46/ 45	.3	2.4	.9	.9	.6	.4	.3	.1	.0									422	422	732	581															
44/ 43	.3	1.6	.9	.6	.4	.4	.2	.1										313	313	646	472															
42/ 41	.1	1.1	1.0	.5	.3	.2	.1	.0										228	228	574	471															
40/ 39	.1	.7	.5	.3	.3	.1	.1	.0										165	165	466	411															
38/ 37	.1	.5	.4	.2	.2	.1												103	103	351	357															
36/ 35	.1	.4	.3	.1	.1	.0												69	69	236	383															
34/ 33	.1	.3	.2	.1	.1	.0												53	53	160	356															
32/ 31	.0	.2	.1	.1	.0													28	28	108	358															
30/ 29		.1	.0															9	9	56	307															
28/ 27																				27	310															
26/ 25																				11	304															
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																				
Rel. Hum.																≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

0-26-5 (QLA)

USAFETAC



## PSYCHROMETRIC SUMMARY

66-7, 73-77

216

PAGE 1 0000-0400

Temp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
78/ 77									.1									1	1																
62/ 61									.1		.1							2	2	1															
60/ 59		.3						.1	.1			.1						5	6	1															
58/ 57		.2	.1					.1	.3	.3	.3							13	13	2	3														
56/ 55		.4	.2				.5	.5	.2	.2	.2	.2						24	24	2															
54/ 53		1.0	1.7	.2			.1	.3	.1	.5	.2							41	41	8	5														
52/ 51	.2	.9	.4	.4	.3	.9	.3	.3	.3	.3	.2							40	40	14	10														
50/ 49	.2	2.7	1.3	.6	.9	.9	.2	.5	.1									74	74	32	16														
48/ 47	.4	2.8	1.4	1.6	1.4	.4	1.2	.2										88	88	35	36														
46/ 45	.3	2.7	2.2	1.6	1.1	1.0	.3	.5										90	90	60	30														
44/ 43	.5	3.4	2.2	2.4	.9	1.2	.4	.3										105	105	70	39														
42/ 41	1.9	3.6	2.5	1.7	1.2	1.3	.3											119	119	114	66														
40/ 39	1.0	3.1	2.7	1.5	1.3	.3	.4											91	91	108	58														
38/ 37	.3	3.0	2.5	1.6	1.8	.3												89	89	113	50														
36/ 35	.1	2.8	1.9	1.8	.4	.2												68	68	98	64														
34/ 33	.1	2.0	1.1	.4	.1	.2												37	37	95	66														
32/ 31		.4	1.0	.6	.3													22	22	83	81														
30/ 29		.2	.3	.3	.2													10	10	45	69														
28/ 27	.1	.2	.3	.1														7	7	21	54														
26/ 25																				14	43														
24/ 23		.2																2	2	12	29														
22/ 21			.1															1	1	1	35														
20/ 19																				1	43														
18/ 17																					35														
16/ 15																					28														
14/ 13																					10														
12/ 11																					21														
10/ 9																					13														
8/ 7																					10														
6/ 5																					11														
4/ 3																					2														
2/ 1																					3														
TOTAL	5.330	222.2	14.6	9.9	7.3	4.5	2.9	1.7	1.0	.4								930	930	930	930														
Element (X):	Σx²		Σx		x̄		sₓ		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	4623152		62150		66.82		2.488		930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb	1776531		40171		43.2		6.672		930			4.2	.1	.1			93																		
Wet Bulb	1401660		35614		38.3		6.382		930			17.7					93																		
Dew Point	1017264		29048		31.2		10.880		930			48.7					93																		

0.26.5 (QL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC







DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

# PSYCHROMETRIC SUMMARY

23110 MARCH 2001 RIVERSIDE

10-70, 73-77

DEC

PAGE 1 0900-1100

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dev Bulb	Wet Bulb Dev	Pct		
60/ 79																																	1	1			
78/ 77																																	3	3			
76/ 75																																	3	3			
74/ 73																																	6	6			
72/ 71																																	15	15			
70/ 69																																	19	19			
68/ 67																																	33	33			
66/ 65																																	38	38			
64/ 63																																	33	33			
62/ 61																																	56	56			
60/ 59																																	54	54	7		
58/ 57																																	74	74	7		
56/ 55																																	74	74	12		
54/ 53																																	79	79	5		
52/ 51																																	93	93	5		
50/ 49																																	74	74	39		
48/ 47																																	71	71	128		
46/ 45																																	76	76	124		
44/ 43																																	54	54	150		
42/ 41																																	32	32	98		
40/ 39																																	13	13	35		
38/ 37																																	17	17	56		
36/ 35																																	8	8	43		
34/ 33																																	3	3	22		
32/ 31																																			13		
30/ 29																																			6		
28/ 27																																			1		
26/ 25																																			1		
24/ 23																																					
22/ 21																																					
20/ 19																																					
18/ 17																																					
16/ 15																																					
14/ 13																																					
Element (X):	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.											$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

66-72, 73-77

DEC

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HOURS 1. 5. 7.1

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## PSYCHROMETRIC SUMMARY

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1200-1400  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## YEARS

REC

STATION

STATION NAME

YEARS

MONTH

1500-1700

MOIRS 5

USAFETAC FORM 0-26.5 (OL A)

## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTA

1500-1700  
HOURS (L.S.T.)

[illegible]

USAFETAC FORM 0.26-5 (Q1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY.

23119      MARCH APR CA/RIVERSIDE  
STATION      STATION NAME

44-75, 73-77

310

PAGE 1 1800-2000

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1800-25,00

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U.S.AFETAC  
FORM  
JUL 64  
0.26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DEC

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STATION NAME

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USAFETAC FORM 0.26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

4-76, 73-77

DEC

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USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## YEARS

66-70, 73-78

ALL

PAGE 1

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NO. 25 - S. 7.

**USAFETAC**  
FORM  
MIL 44  
0-25-5 (OL A)  
REVISED PREVIOUS EDITIONS ON THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

23113 MAR 64 AFB CA/RIVERSIDE  
STAT ON NAME

45-7 , 73-70

iii

Page 6

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AF

## MEANS AND STANDARD DEVIATIONS

DAY-BY-TEMPERATURES DEW P FROM HOURLY OBSERVATIONS

2311- MARCH AFB CA/RIVERSIDE

JA-73, 73-73

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02			44.3	45.3	45.7	46.7	52.4	58.3	64.9	65.7	61.9	54.6	49.9	43.7	52.7
	MEAN		6.756	5.758	5.537	5.005	4.644	4.375	4.562	5.291	5.403	5.445	5.140	6.672	9.624
	S D		930	840	929	900	927	907	930	930	900	929	900	930	10953
	TOTAL OBS														
03-05			47.4	43.7	43.8	44.5	51.6	56.7	62.2	62.7	59.6	52.4	44.6	41.1	53.5
	MEAN		7.736	6.185	6.342	5.425	4.902	4.787	4.522	5.344	5.525	5.332	5.235	6.909	9.645
	S D		929	840	930	900	930	907	930	930	900	930	900	930	10955
	TOTAL OBS														
05-08			47.4	43.7	43.4	48.3	50.5	61.3	68.4	67.1	62.9	54.4	47.0	41.2	53.5
	MEAN		7.493	6.511	6.502	6.582	7.008	7.504	7.006	7.411	7.429	6.998	7.574	7.302	11.846
	S D		930	840	930	900	930	900	930	930	900	930	900	929	10955
	TOTAL OBS														
09-11			57.1	55.0	56.0	60.9	64.5	75.0	83.5	82.5	77.0	70.0	62.0	53.7	66.5
	MEAN		7.944	7.980	8.354	8.631	9.321	11.247	7.836	8.744	10.300	9.690	9.507	6.580	14.133
	S D		930	840	930	900	930	907	930	930	898	930	900	930	10954
	TOTAL OBS														
12-14			67.9	62.0	62.2	67.0	75.3	82.5	90.7	90.3	84.6	77.7	70.1	62.0	73.9
	MEAN		8.559	8.982	9.165	9.396	10.957	10.827	6.293	7.510	9.472	9.495	9.948	8.666	14.165
	S D		930	840	930	900	930	900	930	930	898	930	900	930	10954
	TOTAL OBS														
15-17			59.7	62.1	62.2	66.3	74.2	81.5	88.7	88.3	82.7	75.4	67.1	59.5	72.4
	MEAN		8.287	8.483	8.738	8.967	10.794	9.885	5.792	6.781	8.302	8.683	9.307	8.262	13.500
	S D		929	840	930	899	929	900	930	928	900	930	900	928	10949
	TOTAL OBS														
18-20			51.4	53.8	54.2	57.0	64.7	71.3	78.3	77.4	72.1	64.6	57.6	50.9	62.5
	MEAN		6.503	6.010	6.508	7.003	8.037	8.325	5.941	6.367	7.121	6.513	6.996	6.373	11.799
	S D		930	840	930	899	930	900	930	927	900	930	900	927	10948
	TOTAL OBS														
21-23			47.1	48.9	48.8	50.2	57.1	62.7	69.5	69.4	65.2	58.0	52.0	46.2	56.3
	MEAN		6.264	5.301	5.364	4.948	5.579	5.756	4.808	5.413	5.761	5.429	6.100	6.257	10.027
	S D		930	840	930	900	930	900	930	926	900	930	899	927	10948
	TOTAL OBS														
ALL HOURS			51.2	51.8	52.3	55.1	62.7	68.7	75.8	75.4	70.7	63.4	56.5	49.7	61.1
	MEAN		10.183	10.133	9.969	10.998	11.919	12.692	11.910	12.123	11.899	11.951	11.628	10.670	14.730
	S D		7438	6767	7439	7198	7438	7200	7440	7431	7195	7439	7199	7431	87616
	TOTAL OBS														

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAF

## MEANS AND STANDARD DEVIATIONS

NET-6 IL3 TEMPERATURES DEGT FROM HOURLY OBSERVATIONS

25110 MARCH AFB FA/RIVERSIDE

06-7, 73-78

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-72	MEAN		30.6	41.2	42.6	43.5	47.6	53.5	58.1	58.5	55.9	47.7	47.2	38.3	47.8
	S D		6.501	5.572	5.456	4.834	4.317	3.132	3.350	4.476	5.115	6.334	6.172	4.362	6.501
	TOTAL OBS		929	846	929	900	929	900	930	930	900	929	900	930	10952
03-05	MEAN		32.3	39.7	41.0	41.9	43.4	50.7	56.7	57.2	54.5	47.4	41.5	36.8	46.4
	S D		7.238	6.007	5.979	5.345	4.709	3.582	3.546	4.814	5.555	6.764	6.443	5.782	9.192
	TOTAL OBS		929	846	930	900	930	900	930	930	900	930	900	930	10955
06-08	MEAN		39.2	39.7	42.2	44.3	51.4	55.2	59.8	59.2	56.3	48.6	42.3	36.9	47.9
	S D		7.171	5.911	6.009	4.863	4.393	3.524	3.644	4.941	5.420	6.477	6.403	6.695	9.739
	TOTAL OBS		930	846	930	900	930	900	930	930	900	930	900	930	10955
09-11	MEAN		43.5	45.4	48.0	49.9	55.5	59.2	64.2	63.6	61.3	54.7	49.5	44.1	52.5
	S D		5.579	4.858	5.002	4.305	4.709	3.905	3.341	4.847	4.756	4.694	5.267	5.589	6.526
	TOTAL OBS		930	846	930	900	930	900	930	930	898	930	900	930	10954
12-14	MEAN		47.6	49.3	50.0	52.3	57.7	61.6	66.3	66.3	63.7	55.2	52.1	47.4	55.0
	S D		5.105	4.293	5.123	4.822	4.903	3.777	3.215	4.412	4.357	4.591	5.261	5.231	6.310
	TOTAL OBS		930	846	930	900	930	900	930	930	898	930	900	930	10954
15-17	MEAN		47.4	49.2	50.6	52.7	58.0	61.8	66.1	66.2	63.8	57.7	51.7	46.7	56.0
	S D		5.231	4.378	5.378	4.957	4.639	3.550	2.946	3.946	4.170	4.823	5.577	5.437	6.331
	TOTAL OBS		929	846	930	899	929	900	930	928	900	930	900	929	10949
18-20	MEAN		47.9	46.2	47.8	49.3	54.9	59.0	63.2	63.0	60.4	54.1	48.3	42.9	52.0
	S D		5.777	4.619	5.200	4.516	4.354	3.383	2.998	4.003	4.328	5.266	5.764	5.545	6.488
	TOTAL OBS		930	845	930	899	930	900	930	927	900	930	900	927	10948
21-23	MEAN		41.5	43.5	44.5	46.0	51.7	53.7	60.3	60.7	57.7	50.8	45.3	40.1	49.9
	S D		6.218	4.848	5.051	4.239	4.035	3.085	3.022	4.092	4.620	5.700	5.901	5.831	6.526
	TOTAL OBS		930	846	930	900	930	900	930	926	900	930	899	927	10948
ALL HOURS	MEAN		42.6	44.4	45.9	47.5	53.4	57.3	61.8	61.9	59.2	52.3	46.8	41.7	51.3
	S D		7.166	6.232	6.426	6.067	5.649	4.518	4.726	5.523	5.874	6.700	7.071	7.155	9.432
	TOTAL OBS		7437	6767	7439	7198	7438	7200	7440	7431	7196	7439	7199	7431	87611



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ 40

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM PROPLY OBSERVATIONS

2311- MARCH APR CA/RIVERSIDE

1-72, 73-76

STATION	STATION NAME	YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN		37.9	35.7	39.1	40.2	44.1	49.5	53.1	53.7	51.0	42.9	34.1	31.2	42.7
	S.D.		11.737	9.731	7.575	5.755	5.543	4.242	4.961	5.530	9.100	12.059	11.763	11.560	11.740
	TOTAL OBS		129	842	929	900	929	900	930	930	900	929	900	930	10952
03-05	MEAN		37.2	34.9	37.6	38.9	45.5	50.7	52.5	53.7	51.3	41.7	35.1	30.9	41.0
	S.D.		11.266	9.574	8.493	7.155	5.309	4.205	4.976	6.633	9.183	12.203	11.393	10.716	11.554
	TOTAL OBS		929	840	930	900	930	900	930	930	900	930	900	930	10950
05-10	MEAN		37.0	34.7	38.5	40.5	47.7	53.9	53.7	51.1	42.7	35.4	30.4		42.5
	S.D.		11.420	9.596	8.609	6.999	5.067	4.127	4.658	5.795	9.341	11.764	11.175	10.410	12.758
	TOTAL OBS		930	892	930	900	930	900	930	930	900	930	900	929	10950
09-11	MEAN		34.6	37.3	39.8	39.5	45.6	50.7	53.1	52.9	51.3	42.7	37.4	32.9	43.0
	S.D.		11.754	9.885	9.100	8.696	7.173	4.795	5.949	8.645	9.553	12.042	11.372	11.259	11.801
	TOTAL OBS		930	846	930	900	930	900	930	930	930	930	900	930	10954
12-19	MEAN		33.4	35.4	38.5	39.4	45.4	50.7	53.6	53.7	51.6	41.7	36.0	31.6	42.5
	S.D.		12.154	10.657	9.743	9.344	7.773	4.735	6.212	7.976	8.715	11.567	11.585	12.017	12.412
	TOTAL OBS		930	840	930	900	930	900	930	930	930	930	900	930	10954
15-17	MEAN		34.3	36.5	39.7	41.0	46.5	50.0	54.1	54.3	52.7	43.2	37.4	32.6	43.5
	S.D.		11.928	10.742	9.805	9.081	7.724	6.050	5.637	7.123	8.608	11.601	11.720	12.081	12.186
	TOTAL OBS		929	846	930	899	929	900	930	925	900	930	900	929	10949
18-20	MEAN		34.6	37.7	41.1	41.9	47.2	50.5	54.0	54.1	52.4	44.7	38.3	32.8	44.2
	S.D.		12.393	10.597	9.028	7.575	6.682	5.195	5.261	7.031	8.359	11.873	12.478	11.775	11.801
	TOTAL OBS		930	845	930	899	930	900	930	927	900	930	900	927	10948
21-23	MEAN		37.9	37.3	40.4	41.6	47.0	50.3	54.1	54.4	51.9	43.7	37.3	31.8	43.7
	S.D.		12.054	10.078	8.126	6.467	6.011	4.811	6.791	6.441	9.116	11.392	12.020	11.292	11.740
	TOTAL OBS		930	846	930	900	730	900	930	925	900	930	930	927	10948
ALL HOURS	MEAN		37.5	36.2	39.3	40.5	46.7	50.7	53.5	53.8	51.5	42.7	36.6	31.7	43.0
	S.D.		12.068	10.191	8.943	7.890	6.750	5.624	5.361	7.260	9.086	11.944	11.778	11.351	11.934
	TOTAL OBS		7437	6767	7639	7198	7438	7200	7400	7431	7196	7439	7199	7431	87615

### RELATIVE HUMIDITY

23119 MARCH 4PR CA/RIVERSIDE  
STATION STATION NAME

41-70, 73-78

JAN  
-----  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	99.8	97.3	89.5	82.0	76.5	69.1	57.9	42.8	16.2	6	929
	03-05	100.0	97.7	92.5	86.1	80.5	70.1	60.8	47.4	20.1	71.3	929
	06-08	99.9	97.2	91.4	83.8	79.5	72.4	52.6	49.2	19.4	71.3	930
	09-11	99.4	89.9	75.8	66.6	57.5	47.8	39.6	24.8	7.2	56.5	930
	12-14	98.6	73.5	56.5	45.1	35.6	28.0	18.7	7.8	1.5	42.3	930
	15-17	98.9	78.9	63.3	50.3	38.6	29.6	19.8	10.7	2.9	45.0	929
	18-20	99.4	92.0	79.7	71.4	61.7	52.5	41.9	25.5	6.7	58.8	930
	21-23	99.8	95.6	87.1	78.9	71.7	62.7	52.2	37.3	12.9	65.4	930
TOTALS		99.5	90.3	79.5	70.5	62.6	54.1	44.2	30.9	10.9	60.0	7437

3  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR -LEATHER SERVICE/MAC

# RELATIVE HUMIDITY

23119 STATION MARCH AEP A/RIVERSIDE STATION NAME

67-70,73-78 PERIOD

FLB MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FLB	00-02	100.0	98.5	93.6	87.9	81.9	75.5	67.6	49.9	21.5	73.3	846
	03-05	100.0	98.6	94.8	91.3	87.5	79.4	69.6	53.2	20.8	75.9	846
	06-08	100.0	98.3	93.3	89.0	84.3	77.4	66.5	53.8	24.8	74.6	846
	09-11	100.0	92.1	79.0	68.2	58.4	49.4	35.1	26.7	11.6	58.1	846
	12-14	99.6	76.1	56.6	45.2	39.2	28.3	19.4	9.6	3.3	43.2	846
	15-17	100.0	79.4	62.4	51.2	41.1	29.6	19.9	9.0	3.7	45.2	846
	18-20	100.0	92.3	82.2	75.3	66.3	55.9	43.0	22.1	7.9	60.2	845
	21-23	100.0	96.5	90.2	84.0	77.0	70.6	59.6	39.8	15.4	69.0	846
TOTALS		100.0	91.5	81.6	74.0	66.9	58.3	47.6	33.0	14.3	62.4	6767

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

MARCH AFR CA/RIVERSIDE  
STATION NAME

PERIOD

MAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	99.5	98.1	96.2	92.3	88.5	82.8	67.7	17.0	79.4	929
	03-05	100.0	99.2	97.8	95.6	92.4	89.4	83.8	69.1	22.6	60.7	930
	06-08	100.0	99.6	96.5	93.1	89.3	84.7	78.9	63.8	25.6	79.2	930
	09-11	100.0	94.5	84.1	71.3	66.6	55.4	40.5	19.9	5.8	59.8	930
	12-14	100.0	85.6	71.7	57.8	46.5	28.1	14.1	7.0	2.4	46.9	930
	15-17	100.0	88.8	76.1	64.9	47.5	30.1	14.0	4.5	1.3	48.4	930
	18-20	99.9	96.5	91.9	87.7	79.9	66.7	47.5	17.1	2.9	64.6	930
	21-23	100.0	98.7	96.6	93.8	90.6	83.2	73.3	45.7	10.1	75.0	930
TOTALS		100.0	95.3	89.1	83.1	75.8	65.8	54.4	36.0	11.0	66.8	7439

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR FATHER SERVICE/ETAC

23119 MARLE APT CA/RIVERSIDE  
STATION STATION NAME

67-70, 73-78

Apr  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	99.7	99.0	97.8	95.7	90.7	80.7	57.8	19.8	79.8	900
	03-05	100.0	99.7	98.4	97.8	95.0	92.8	85.8	65.0	25.8	82.0	900
	06-08	100.0	98.3	96.7	93.6	89.0	83.1	71.8	49.9	19.9	76.1	900
	09-11	99.2	88.4	80.0	67.2	54.0	36.2	18.0	5.1	.9	50.6	900
	12-14	98.0	82.8	67.3	51.6	32.1	16.4	6.2	1.4	.1	41.1	900
	15-17	98.7	87.3	74.7	56.6	36.3	20.1	8.9	3.0	.0	44.2	899
	18-20	99.9	96.2	91.4	84.0	71.9	54.4	35.4	14.2	2.0	60.8	899
	21-23	100.0	99.9	97.9	94.7	91.3	82.6	69.0	41.7	6.4	74.3	900
TOTALS		99.5	94.1	88.2	80.4	70.8	59.5	47.1	29.8	9.6	63.6	7198

DATA PROCESSING BRANCH  
LTAC/LSAF  
AIR WEATHER SERVICE/MAC

23119 MARCH 4ER CA/RIVERSIDE  
STATION STATION NAME

51-70, 73-78

MAY  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	99.8	99.5	97.5	93.9	89.9	76.5	46.6	11.3	77.5	929
	03-05	100.0	99.8	99.1	98.6	95.9	92.7	84.3	57.5	19.7	80.5	930
	06-08	100.0	98.5	96.2	93.7	88.	81.1	66.0	37.8	14.2	73.5	930
	09-11	100.0	88.9	79.9	66.3	50.1	29.8	13.2	4.1	.6	48.9	930
	12-14	99.7	83.7	67.6	45.9	20.8	9.1	3.8	.4		38.5	930
	15-17	100.0	88.4	74.3	51.7	24.4	11.0	4.0	.6		40.9	929
	18-20	100.0	96.0	91.0	82.3	68.1	44.2	20.2	4.6	.2	56.4	930
	21-23	100.0	99.1	97.5	93.9	89.6	81.3	62.4	25.2	3.8	71.1	930
TOTALS		100.0	94.3	88.1	78.7	66.3	54.9	41.3	22.1	6.3	60.9	7638

3

## 1

23119  
STATION

MARCH 1981 CA/RIVERSIDE

57-70, 73-78

PERIOD

June  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.1	95.3	90.6	82.4	70.6	36.9	4.6	74.0	900
	03-05	100.0	100.0	99.8	97.0	93.1	87.9	78.0	49.0	15.7	78.2	900
	06-08	100.0	99.3	95.0	88.8	80.2	70.3	56.6	31.9	11.0	69.2	900
	09-11	99.6	84.9	70.7	58.7	42.9	24.1	11.2	2.4	.4	45.0	900
	12-14	99.3	79.6	58.6	38.1	15.6	5.7	1.2			35.1	900
	15-17	99.9	83.3	64.0	40.3	16.4	6.2	.6			36.6	900
	18-20	100.0	96.3	85.6	72.4	56.4	33.1	10.9	.6		51.1	900
	21-23	100.0	99.8	95.9	90.4	81.7	69.6	51.0	13.2	.4	66.2	900
TOTALS		99.9	92.9	83.6	72.4	59.4	47.4	35.0	16.8	4.0	56.9	7200

3

## 3

JUL  
MO

USAFETAC      FORM      0-87.5 (OL A)  
JUL 64



## RELATIVE HUMIDITY

23119  
STATION

MARCH AFB CA/RIVERSIDE  
STATION NAME

47-70, 73-78

AUG  
MONTH

3

1000

1

DATA PROCESSING BRANCH  
STAC/USAF  
AIR WEATHER SERVICE/AC

## RELATIVE HUMIDITY

24119 MARCH 1956 CA/RIVERSIDE  
STATION STATION NAME

20-70, 71-77

761

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

## RELATIVE HUMIDITY

25119  
STATION

MARCH 1970 CALIFORNIA

STATION NAME

45-75,73-77

PERIOD

404

MONTE

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

DATA PROCESSING BRANCH  
AFAC/USAF  
AIR WEATHER SERVICE/AF

# RELATIVE HUMIDITY

24119 STATION MARCH 1976 CA/RIVERSIDE 60-70.73-77 PERIOD DEC MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
01-02	100.0	98.2	92.0	83.3	73.7	63.0	50.1	34.7	14.7	66.8	930	
03-05	100.0	98.4	95.2	87.4	78.1	68.2	53.8	39.6	16.7	69.7	930	
06-08	100.0	98.1	94.5	87.9	77.7	65.5	53.3	39.6	16.9	69.1	927	
09-11	100.0	87.6	72.3	58.5	48.1	39.1	30.6	19.0	7.0	51.9	930	
12-14	99.7	70.2	50.1	37.6	30.4	19.2	11.3	5.4	1.5	37.9	930	
15-17	100.0	77.3	61.2	45.4	36.2	24.2	15.0	5.4	2.6	42.2	928	
18-20	100.0	91.0	81.0	68.1	54.9	44.3	35.5	19.2	5.5	55.6	927	
21-23	100.0	95.8	86.7	75.3	66.1	55.4	44.2	31.5	16.6	62.5	927	
TOTALS		100.0	89.7	79.1	68.1	58.1	47.5	36.8	24.3	9.5	57.0	7431

3

DATA PROCESSING TRENCH  
 FTAL/USAF  
 AIR WEATHER SERVICE/AF

# RELATIVE HUMIDITY

23119  
 STATION

MARCH AFB CA/RIVERSIDE  
 STATION NAME

65-70, 73-78  
 PERIOD

ALL  
 MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST:	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.5	90.3	79.5	70.5	62.0	54.1	44.2	30.9	10.9	60.0	7437
FEB		100.0	91.5	81.6	74.0	66.1	58.3	47.1	33.0	14.3	62.4	6707
MAR		100.0	95.3	89.1	83.1	75.2	65.8	54.4	36.0	11.0	66.3	7439
APR		99.5	94.1	88.2	80.4	70.0	59.5	47.1	29.8	9.8	63.5	7195
MAY		100.0	94.3	88.1	79.7	66.3	54.9	41.3	27.1	6.3	60.9	7438
JUN		99.9	92.9	83.6	72.6	59.0	47.4	35.0	15.8	4.0	56.9	7200
JUL		100.0	95.2	80.6	62.8	47.1	33.4	19.9	7.0	1.0	50.6	7440
AUG		99.8	93.5	81.3	65.4	50.0	36.3	23.0	11.0	2.4	52.1	7431
SEP		99.4	92.2	82.2	70.3	58.3	47.7	36.1	21.5	7.0	57.2	7196
OCT		98.8	84.3	75.2	66.8	57.1	46.2	36.2	23.3	8.0	55.2	7439
NOV		99.8	85.5	74.8	65.1	55.5	45.9	36.2	24.0	9.7	55.3	7199
DEC		100.0	87.7	79.1	68.1	58.1	47.5	36.6	24.3	9.5	57.0	7431
TOTALS		99.7	91.6	81.9	71.5	60.7	49.8	38.2	23.4	7.9	58.0	87015

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

# PART F

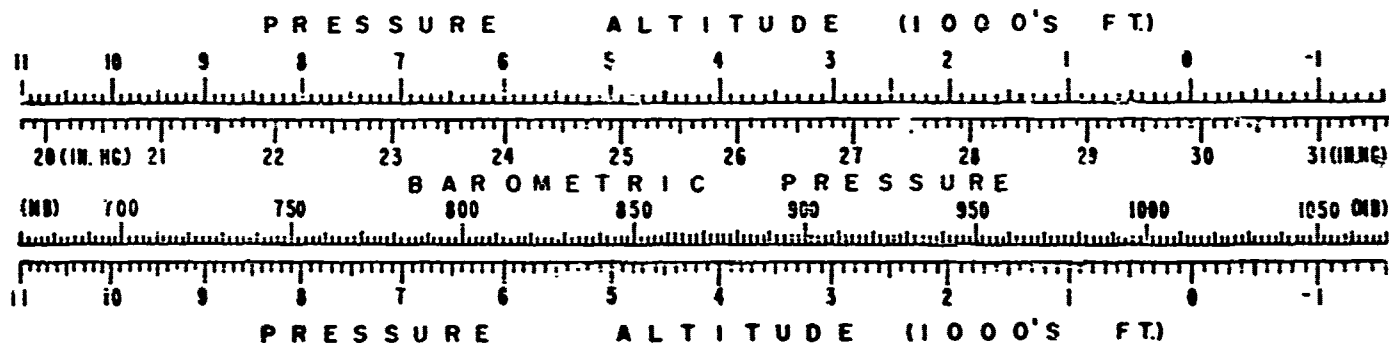
# PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR LATHER SERVICE/TAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2311- MARCH /PP CA/RIVERSIDE

56-70,73-78

STATION		STATION NAME												YEAPS													
HRS (LST)		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
01	MEAN	28.4532	28.4422	28.3882	28.3742	28.3322	28.3012	28.3272	28.3192	28.3112	28.3722	28.4202	28.440	28.373													
	S D	.110	.109	.113	.087	.078	.064	.054	.062	.066	.085	.097	.111	.102													
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652													
04	MEAN	28.4432	28.4252	28.3682	28.3002	28.3192	28.294	28.3202	28.3112	28.3002	28.3522	28.4112	28.431	28.361													
	S D	.111	.112	.113	.082	.080	.065	.055	.062	.067	.080	.096	.110	.103													
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652													
07	MEAN	28.4592	28.4432	28.3932	28.3892	28.3462	28.3202	28.3472	28.3392	28.3292	28.3842	28.4342	28.448	28.380													
	S D	.111	.114	.115	.082	.080	.064	.053	.061	.068	.080	.097	.113	.101													
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652													
10	MEAN	28.4932	28.4682	28.4112	28.3982	28.3482	28.3212	28.3442	28.3392	28.3332	28.3932	28.4512	28.477	28.392													
	S D	.109	.112	.114	.081	.078	.063	.053	.061	.068	.081	.099	.113	.106													
	TOTAL OBS	310	282	310	300	310	300	310	310	299	309	300	310	3650													
13	MEAN	28.4272	28.4152	28.3702	28.3612	28.3182	28.293	28.3142	28.3022	28.2872	28.3382	28.3902	28.410	28.352													
	S D	.106	.108	.111	.080	.076	.065	.053	.063	.069	.080	.097	.112	.100													
	TOTAL OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651													
16	MEAN	28.4152	28.3922	28.3402	28.3282	28.2882	28.2652	28.2802	28.2672	28.2572	28.3172	28.3742	28.400	28.327													
	S D	.106	.105	.109	.079	.074	.063	.053	.063	.067	.080	.098	.111	.102													
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650													
19	MEAN	28.4402	28.4162	28.3632	28.3492	28.3092	28.2822	28.2982	28.2892	28.2862	28.3512	28.4062	28.425	28.351													
	S D	.108	.105	.108	.080	.074	.062	.055	.062	.066	.078	.099	.111	.103													
	TOTAL OBS	309	282	310	300	310	300	310	309	300	310	300	309	3649													
22	MEAN	28.4622	28.4412	28.3942	28.3842	28.3462	28.3162	28.3382	28.3262	28.3182	28.3762	28.4292	28.446	28.381													
	S D	.109	.109	.109	.081	.075	.063	.053	.062	.066	.079	.099	.111	.101													
	TOTAL OBS	310	282	310	300	310	300	310	309	300	309	300	309	3649													
ALL HOURS	MEAN	28.4492	28.4312	28.3792	28.3682	28.3262	28.2992	28.3212	28.3122	28.3022	28.3612	28.4142	28.435	28.366													
	S D	.111	.111	.113	.083	.079	.066	.058	.066	.071	.083	.100	.114	.104													
	TOTAL OBS	2479	2256	2480	2400	2480	2400	2480	2477	2398	2478	2400	2477	29205													



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MB'S FROM HOURLY OBSERVATIONS

23110 MARCH APR CA/RIVERSIDE

6-70, 73-76

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	1018.4	1018.0	1016.0	1015.4	1017.4	1012.0	1012.6	1012.3	1012.7	1014.7	1016.9	1018.0	1015.0	
	S D	3.733	3.853	4.009	2.952	2.868	2.339	1.961	2.338	2.423	2.880	3.488	3.957	3.940	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651	
04	MEAN	1018.1	1017.4	1015.3	1014.9	1013.0	1011.3	1012.4	1012.1	1011.9	1014.3	1016.8	1017.7	1014.6	
	S D	3.860	4.030	4.006	2.951	2.927	2.343	2.003	2.335	2.420	2.907	3.490	4.039	3.938	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651	
07	MEAN	1018.0	1018.3	1016.4	1016.1	1014.1	1012.9	1013.5	1013.7	1013.1	1015.5	1017.7	1018.5	1015.7	
	S D	4.221	4.156	4.140	2.994	2.920	2.326	1.932	2.355	2.451	2.917	3.505	4.082	3.919	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	308	3649	
10	MEAN	1020.0	1019.0	1016.9	1016.3	1014.1	1012.8	1013.3	1013.1	1013.1	1015.6	1018.1	1019.4	1016.0	
	S D	3.893	4.017	4.046	2.956	2.848	2.317	1.943	2.382	2.501	2.885	3.555	4.036	4.111	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
13	MEAN	1017.5	1017.1	1015.4	1014.9	1012.9	1011.7	1012.1	1011.7	1011.4	1013.6	1015.8	1016.9	1014.2	
	S D	3.762	3.843	3.945	2.928	2.801	2.373	1.916	2.385	2.535	2.886	3.505	3.979	3.831	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651	
15	MEAN	1017.2	1016.3	1014.3	1013.8	1011.9	1010.8	1011.0	1010.5	1010.3	1012.9	1015.3	1016.6	1013.4	
	S D	3.777	3.739	3.871	2.886	2.694	2.273	1.929	2.356	2.426	2.901	3.536	3.946	3.930	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
19	MEAN	1018.3	1017.3	1015.4	1014.7	1012.8	1011.5	1011.7	1011.4	1011.6	1014.3	1016.7	1017.8	1014.5	
	S D	3.892	3.818	3.853	2.956	2.664	2.246	1.962	2.355	2.395	2.844	3.589	3.962	4.017	
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650	
22	MEAN	1018.9	1018.0	1016.3	1015.8	1014.0	1012.7	1013.0	1012.6	1012.8	1015.0	1017.3	1018.4	1015.4	
	S D	3.916	3.929	3.887	2.939	2.700	2.336	1.911	2.298	2.426	2.918	3.569	3.977	3.884	
	TOTAL OBS	310	282	310	300	310	300	310	309	299	310	300	309	3649	
ALL HOURS	MEAN	1018.4	1017.7	1015.6	1013.2	1013.3	1012.0	1012.4	1012.1	1012.0	1014.5	1016.8	1017.9	1014.8	
	S D	3.981	4.009	4.037	3.049	2.895	2.414	2.094	2.494	2.599	3.007	3.629	4.083	4.025	
	TOTAL OBS	2480	2256	2480	2399	2480	2400	2480	2477	2399	2479	2358	2475	29203	